

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040519\
 Data File : VU030726.D
 Acq On : 05 Apr 2019 08:23
 Operator : JC/SP
 Sample : K2249-04MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YD9MSD

Quant Time: Apr 05 09:13:46 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	481502	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	460049	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	191564	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	212604	49.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.92%
7) Chloroethane-d5	1.67	69	164514	50.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.86%
11) 1,1-Dichloroethene-d2	2.27	63	367253	47.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.48%
21) 2-Butanone-d5	4.17	46	335209	98.40	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.40%
24) Chloroform-d	4.64	84	305898	46.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.18%
26) 1,2-Dichloroethane-d4	5.30	65	222746	49.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.44%
32) Benzene-d6	5.34	84	659224	49.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.18%
36) 1,2-Dichloropropane-d6	6.32	67	229899	49.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.90%
41) Toluene-d8	7.56	98	573762	48.20	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.40%
43) trans-1,3-Dichloropropene-	7.85	79	95627	45.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.12%
47) 2-Hexanone-d5	8.31	63	202296	96.17	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.17%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	299147	48.18	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.36%
64) 1,2-Dichlorobenzene-d4	11.85	152	188642	50.07	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.14%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2681	0.778	ug/L #	20
12) 1,1-Dichloroethene	2.28	96	138937	41.743	ug/L	93
13) Acetone	2.32	43	15155	4.348	ug/L	98
19) 1,1-Dichloroethane	3.44	63	11024	1.512	ug/L	95
20) cis-1,2-Dichloroethene	4.22	96	4059	1.040	ug/L	98
25) Chloroform	4.67	83	17868	2.438	ug/L	97
27) 1,2-Dichloroethane	5.39	62	5580	0.997	ug/L #	75
30) 1,1,1-Trichloroethane	4.91	97	26055	4.647	ug/L	97
33) Benzene	5.39	78	674258	44.787	ug/L	100
34) Trichloroethene	6.18	95	161744	43.804	ug/L	99
39) cis-1,3-Dichloropropene	7.22	75	5352	0.882	ug/L #	45
40) 4-Methyl-2-pentanone	7.47	43	4682	0.683	ug/L #	89
42) Toluene	7.63	91	682229	44.394	ug/L	99
44) trans-1,3-Dichloropropene	7.85	75	3849	0.720	ug/L	91
48) 2-Hexanone	8.36	43	5113	0.956	ug/L #	83
51) Chlorobenzene	9.12	112	425725	45.169	ug/L	99
59) 1,2,3-Trichloropropane	11.48	75	25735	5.041	ug/L	97

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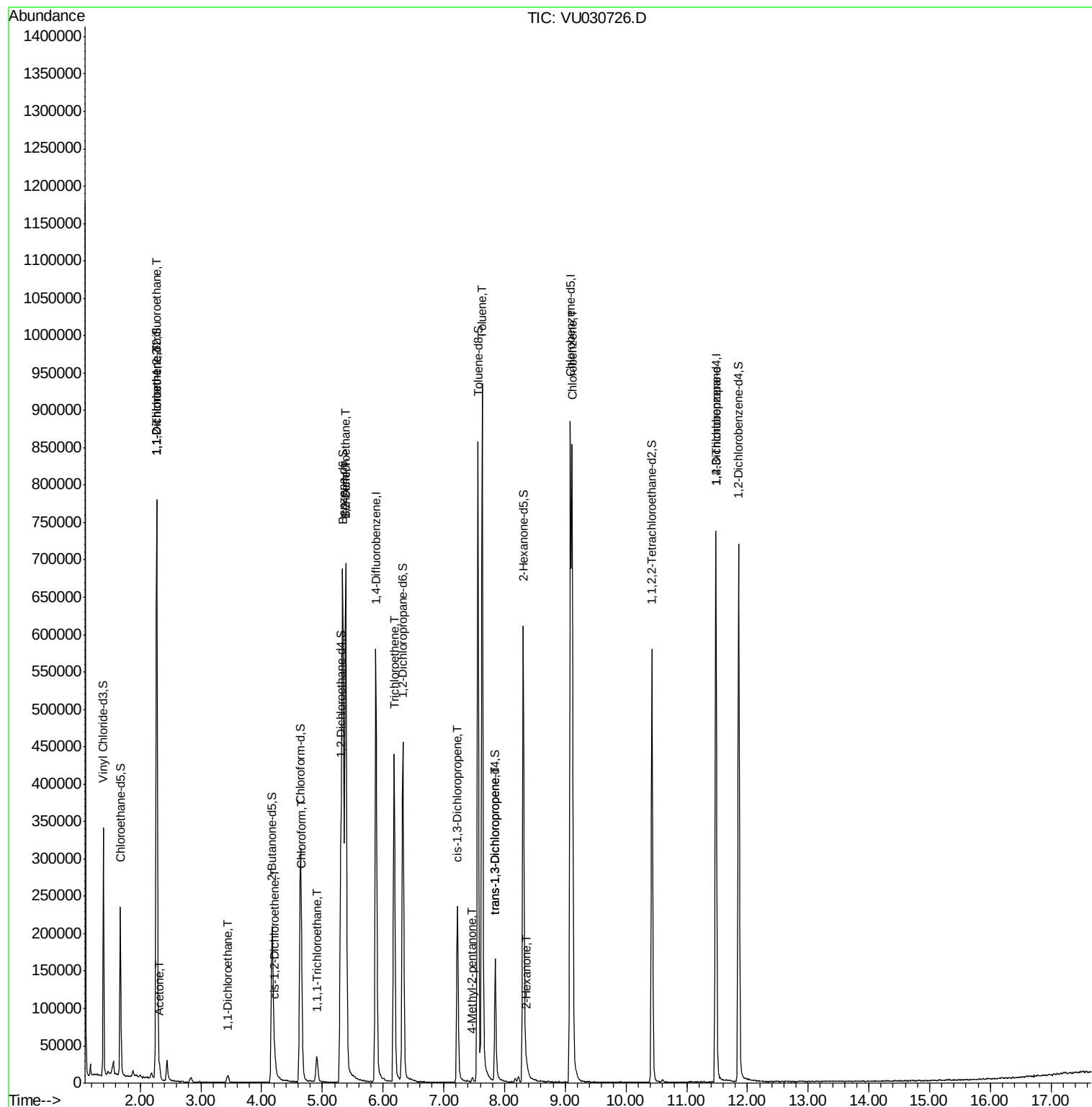
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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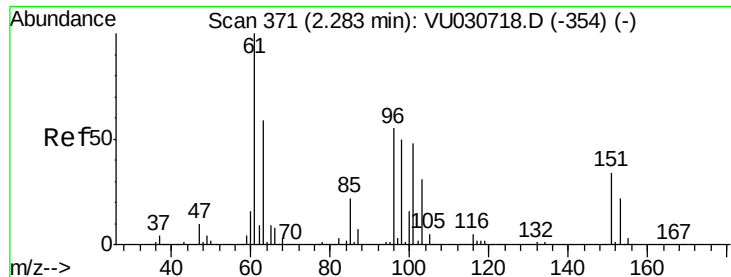
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU040519\
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#10

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

Concen: 0.778 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU030726.D

Acq: 05 Apr 2019 08:23

Instrument :

MSVOA_U

ClientSampleId :

E3YD9MSD

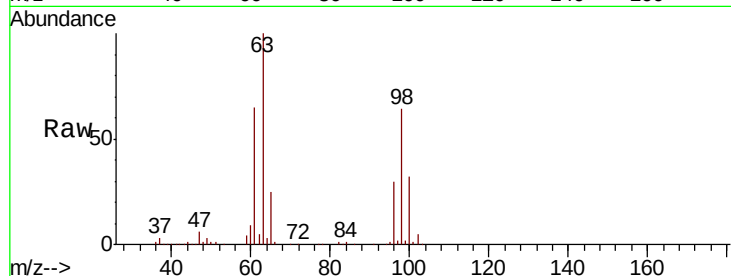
Tot Ion:101 Resp: 2681

Ion Ratio Lower Upper

101 100

85 0.0 36.8 55.2#

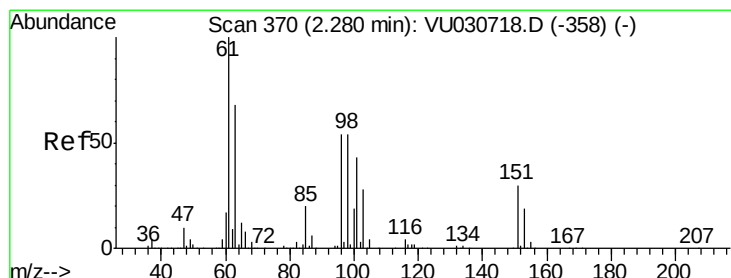
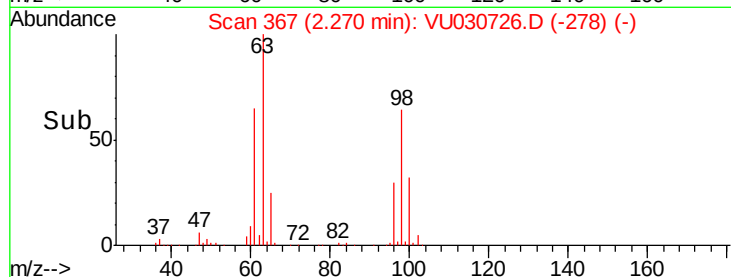
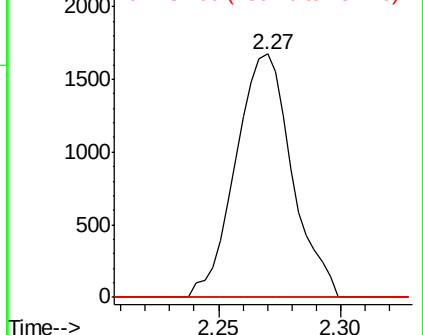
151 0.0 57.4 86.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 41.743 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU030726.D

Acq: 05 Apr 2019 08:23

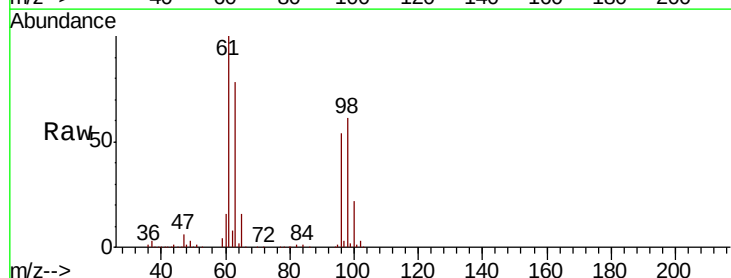
Tgt Ion: 96 Resp: 138937

Ion Ratio Lower Upper

96 100

61 186.5 132.0 245.2

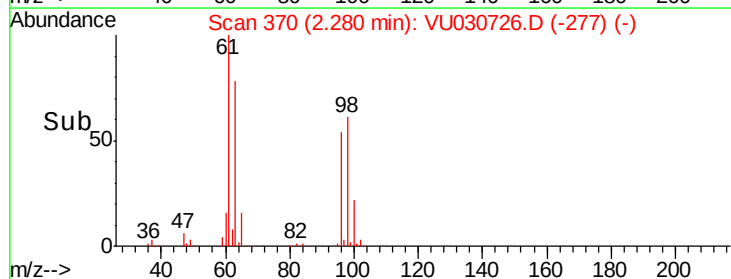
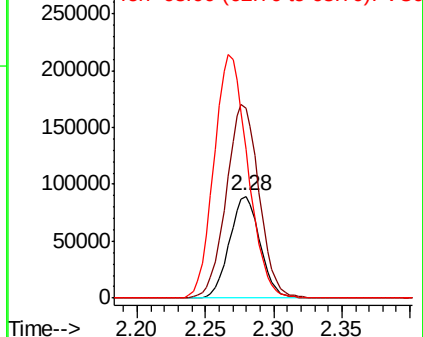
63 146.0 90.9 168.9

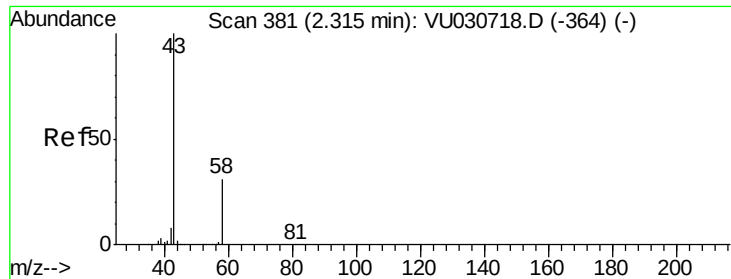


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 4.348 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU030726.D

Acq: 05 Apr 2019 08:23

Instrument :

MSVOA_U

ClientSampleId :

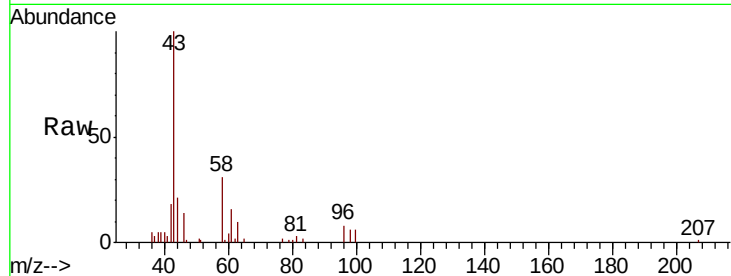
E3YD9MSD

Tot Ion: 43 Resp: 15155

Ion Ratio Lower Upper

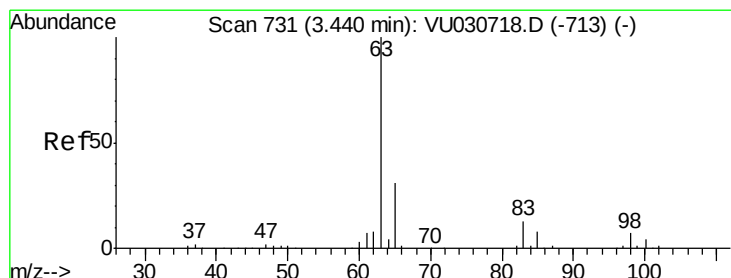
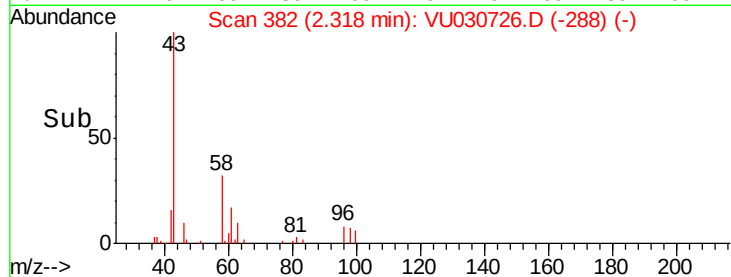
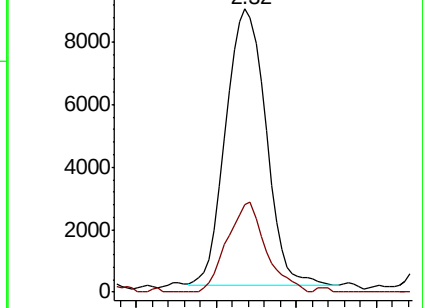
43 100

58 31.2 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) (-)



#19

1,1-Dichloroethane

Concen: 1.512 ug/L

RT: 3.44 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU030726.D

Acq: 05 Apr 2019 08:23

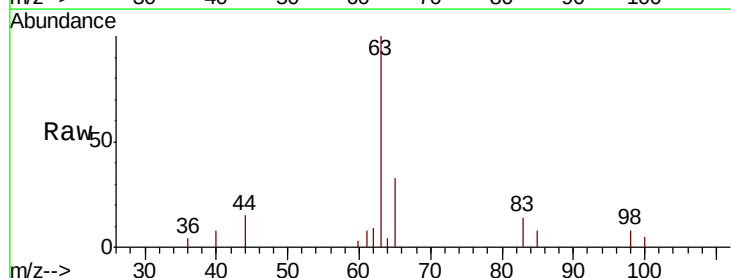
Tgt Ion: 63 Resp: 11024

Ion Ratio Lower Upper

63 100

65 33.4 21.4 39.8

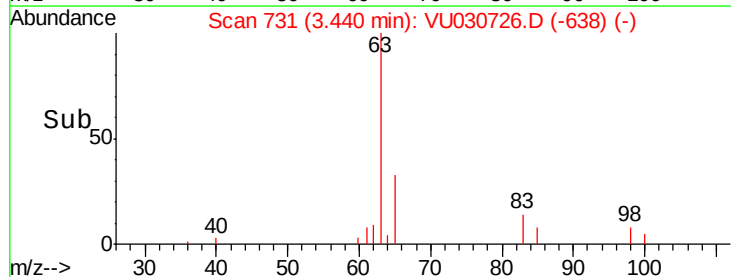
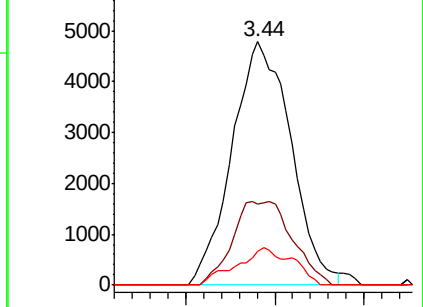
83 14.0 8.5 15.7

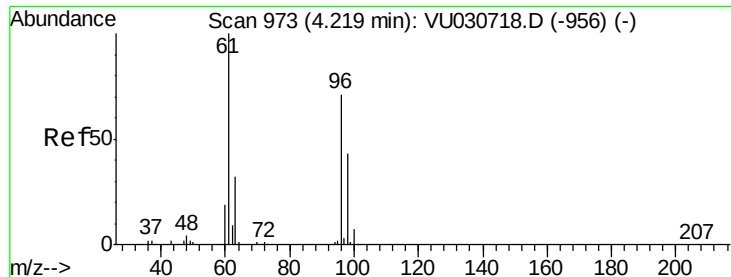


Abundance Ion 63.00 (62.70 to 63.70): VU030718.D (-713) (-)

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

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





#20

cis-1,2-Dichloroethene

Concen: 1.040 ug/L

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU030726.D

Acq: 05 Apr 2019 08:23

Instrument :

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E3YD9MSD

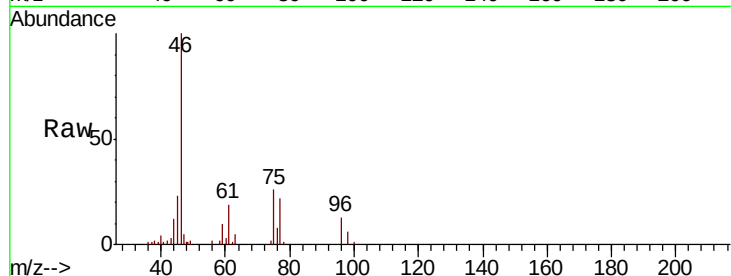
Tot Ion: 96 Resp: 4059

Ion Ratio Lower Upper

96 100

61 149.2 102.9 191.1

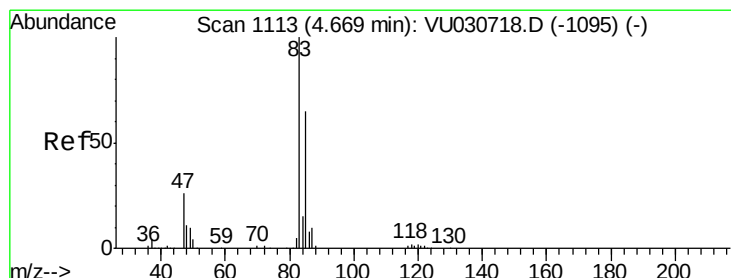
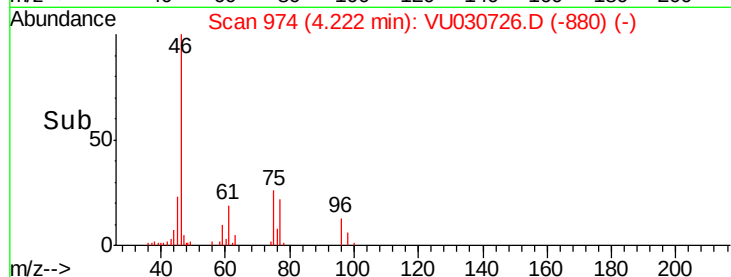
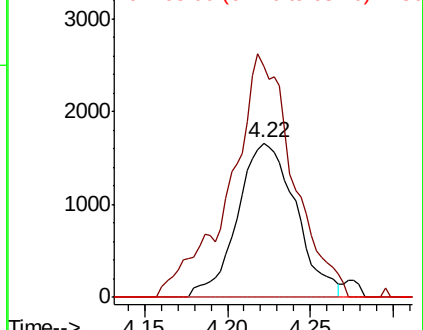
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU030726.D (-880) (-)

Ion 61.00 (60.70 to 61.70): VU030726.D (-880) (-)

Ion 68.00 (67.70 to 68.70): VU030726.D (-880) (-)



#25

Chloroform

Concen: 2.438 ug/L

RT: 4.67 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VU030726.D

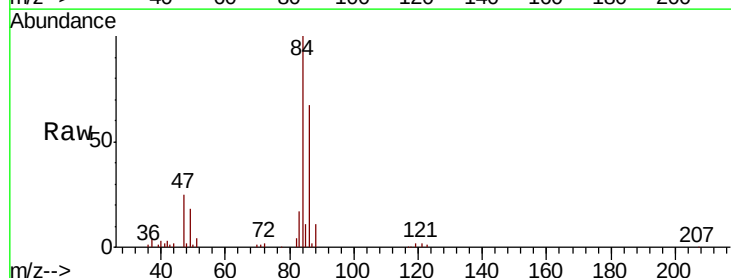
Acq: 05 Apr 2019 08:23

Tgt Ion: 83 Resp: 17868

Ion Ratio Lower Upper

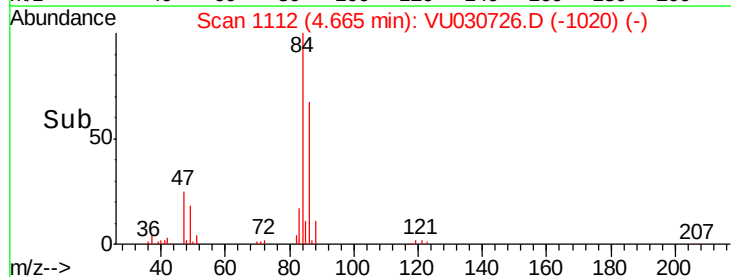
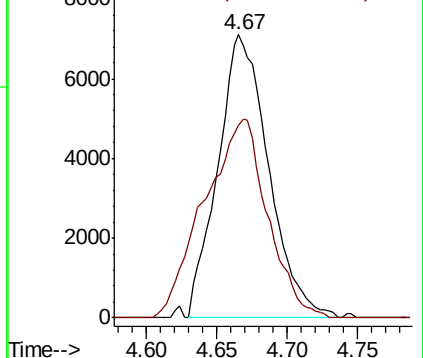
83 100

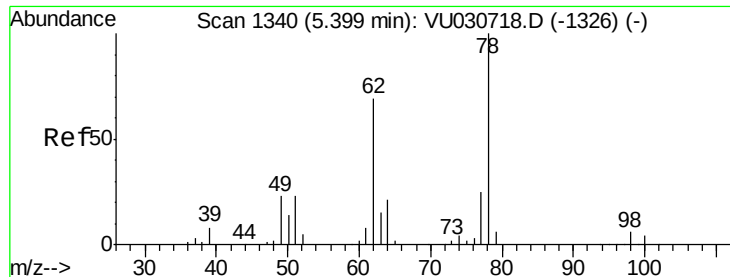
85 67.8 45.8 85.0



Abundance Ion 83.00 (82.70 to 83.70): VU030726.D (-1020) (-)

Ion 85.00 (84.70 to 85.70): VU030726.D (-1020) (-)

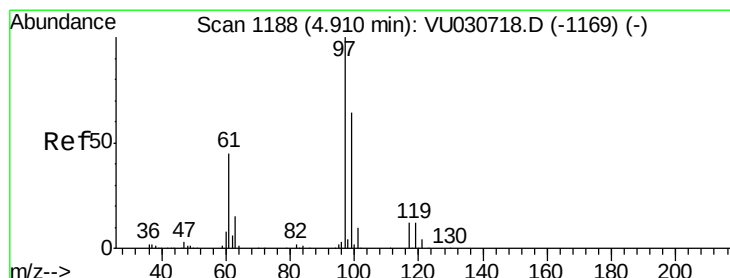
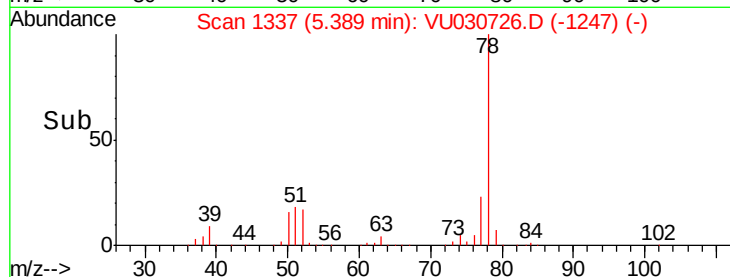
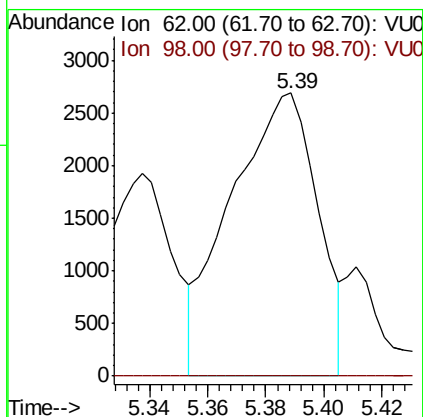
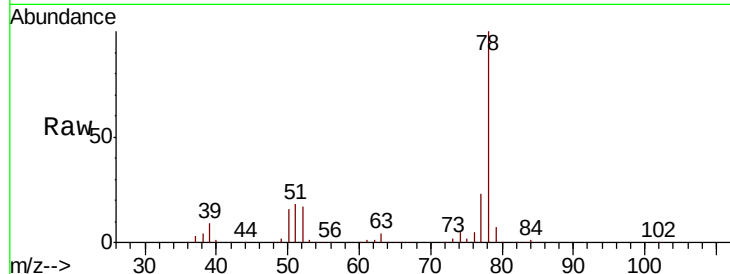




#27
 1,2-Dichloroethane
 Concen: 0.997 ug/L
 RT: 5.39 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: VU030726.D
 Acq: 05 Apr 2019 08:23

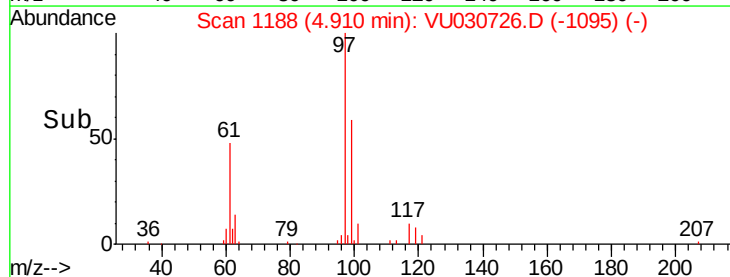
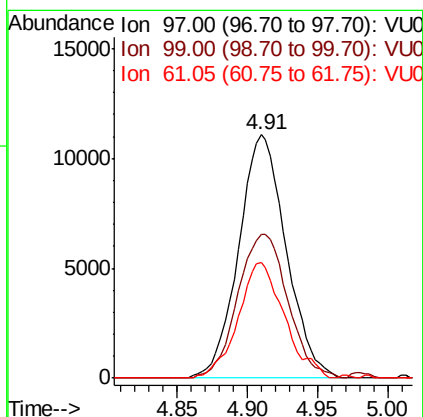
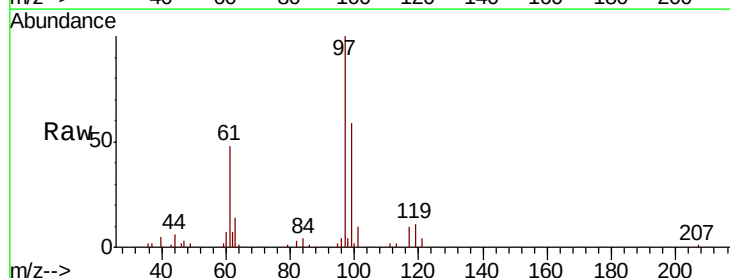
Instrument :
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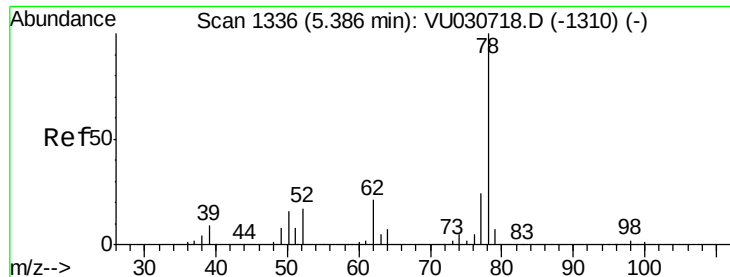
Tot Ion: 62 Resp: 5580
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.2 10.8#



#30
 1,1,1-Trichloroethane
 Concen: 4.647 ug/L
 RT: 4.91 min Scan# 1188
 Delta R.T. -0.00 min
 Lab File: VU030726.D
 Acq: 05 Apr 2019 08:23

Tgt Ion: 97 Resp: 26055
 Ion Ratio Lower Upper
 97 100
 99 62.4 51.4 77.2
 61 44.0 37.1 55.7





#33

Benzene

Concen: 44.787 ug/L

RT: 5.39 min Scan# 1336

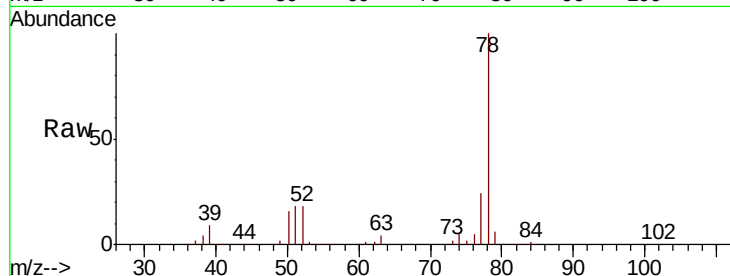
Delta R.T. -0.00 min

Lab File: VU030726.D

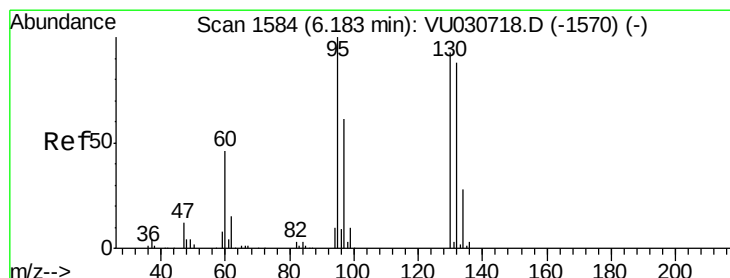
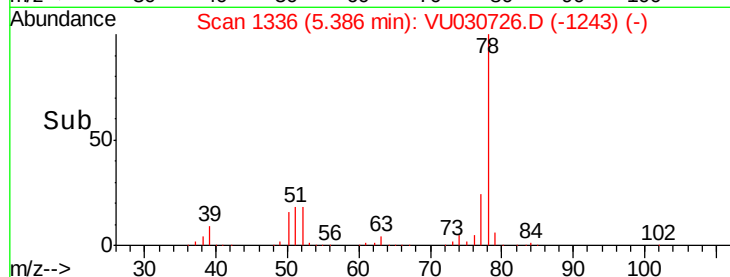
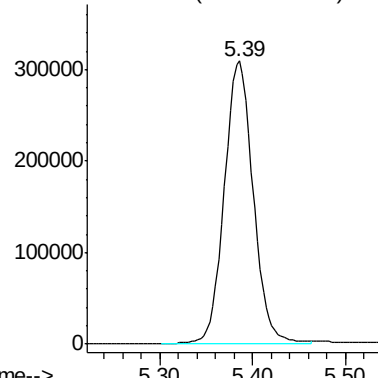
Acq: 05 Apr 2019 08:23

Instrument :
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Tgt Ion: 78 Resp: 674258



Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 43.804 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. -0.00 min

Lab File: VU030726.D

Acq: 05 Apr 2019 08:23

Tgt Ion: 95 Resp: 161744

Ion	Ratio	Lower	Upper
95	100		
97	64.0	44.5	82.7
132	87.4	61.5	114.1
130	91.1	64.9	120.5

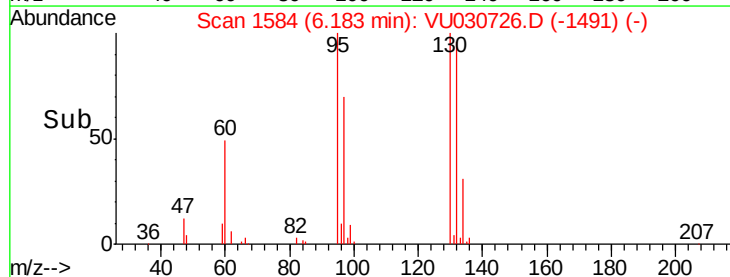
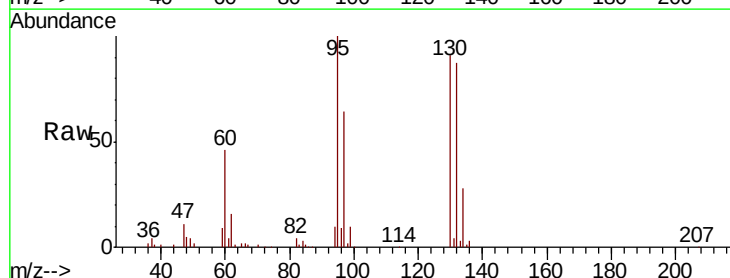
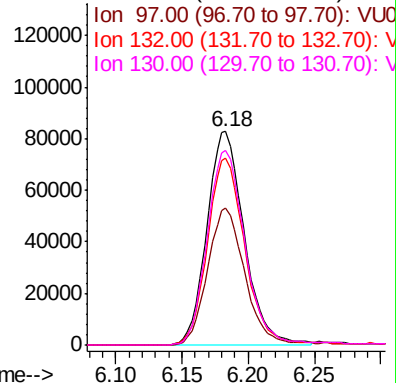
Ion 95.00 (94.70 to 95.70): VU0

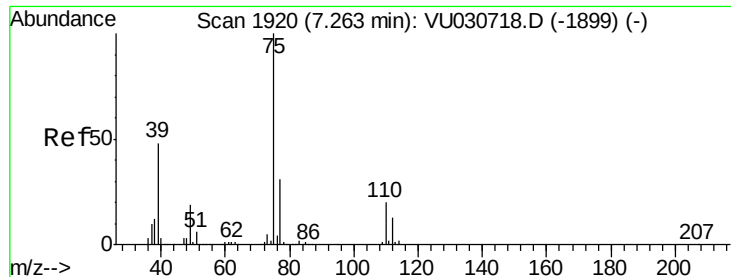
Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

Abundance Ion 95.00 (94.70 to 95.70): VU0





#39

cis-1,3-Dichloropropene

Concen: 0.882 ug/L

RT: 7.22 min Scan# 1907

Delta R.T. -0.04 min

Lab File: VU030726.D

Acq: 05 Apr 2019 08:23

Instrument :

MSVOA_U

ClientSampleId :

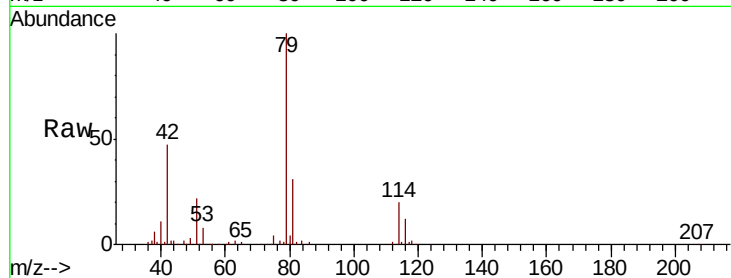
E3YD9MSD

Tot Ion: 75 Resp: 5352

Ion Ratio Lower Upper

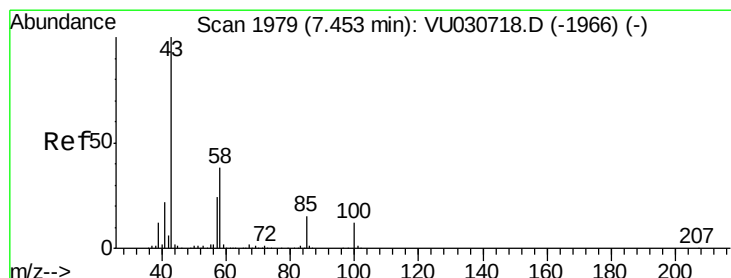
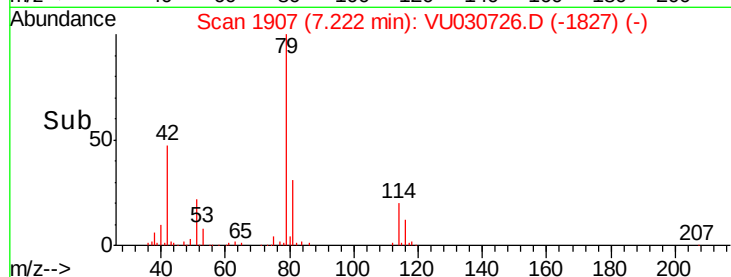
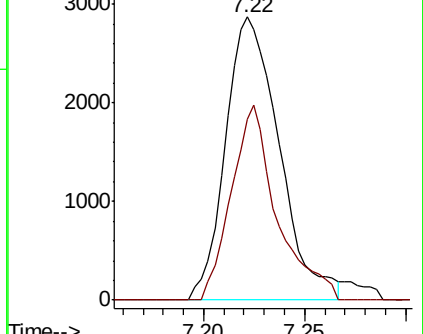
75 100

77 64.2 23.1 42.9#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#40

4-Methyl-2-pentanone

Concen: 0.683 ug/L

RT: 7.47 min Scan# 1984

Delta R.T. 0.02 min

Lab File: VU030726.D

Acq: 05 Apr 2019 08:23

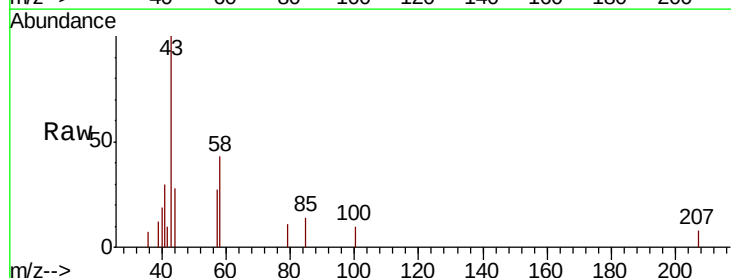
Tgt Ion: 43 Resp: 4682

Ion Ratio Lower Upper

43 100

58 32.4 29.7 44.5

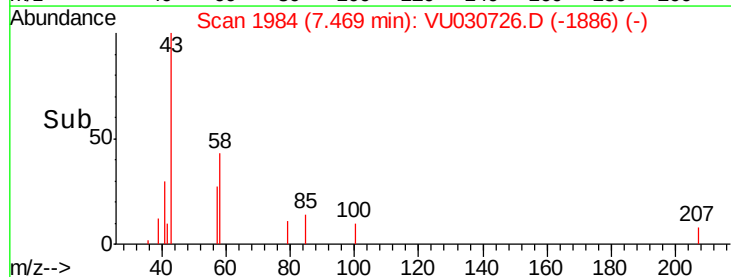
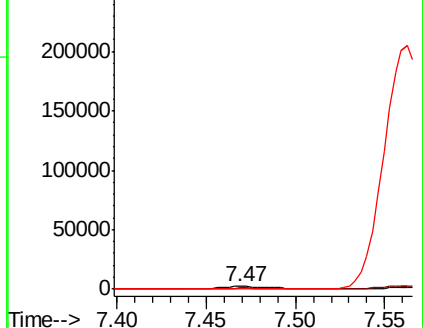
100 3.9 9.8 14.6#

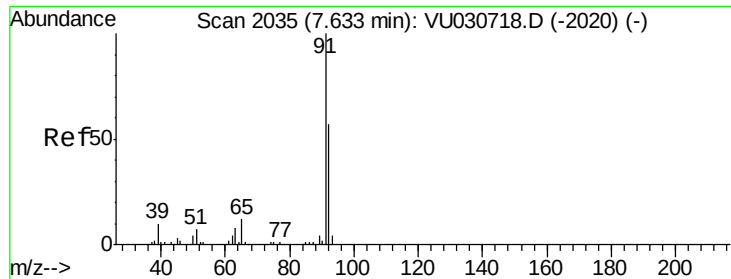


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#42

Toluene

Concen: 44.394 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU030726.D

Acq: 05 Apr 2019 08:23

Instrument :

MSVOA_U

ClientSampleId :

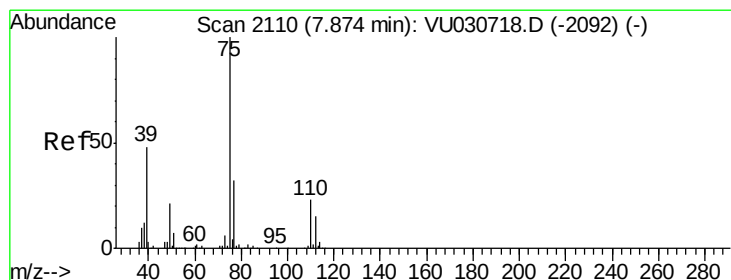
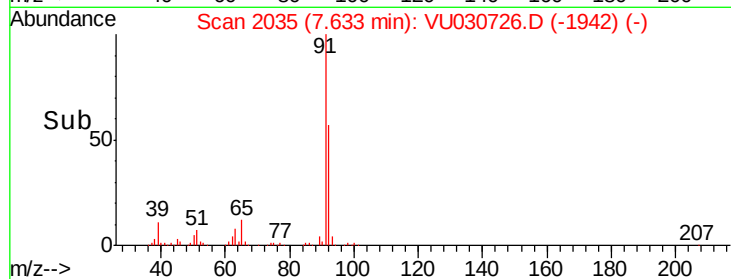
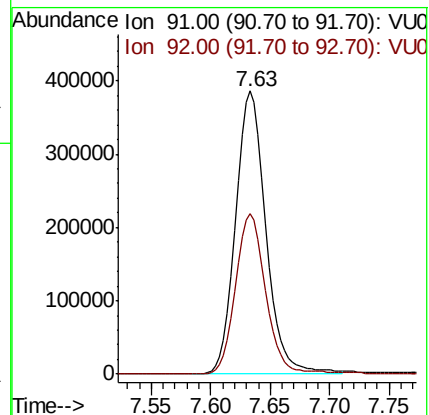
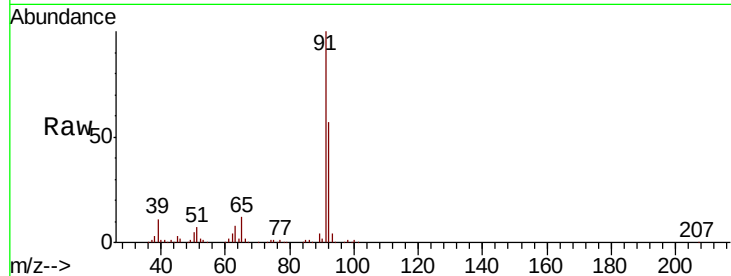
E3YD9MSD

Tot Ion: 91 Resp: 682229

Ion Ratio Lower Upper

91 100

92 56.6 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 0.720 ug/L

RT: 7.85 min Scan# 2103

Delta R.T. -0.02 min

Lab File: VU030726.D

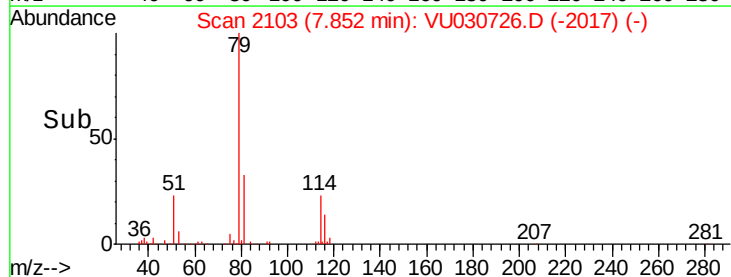
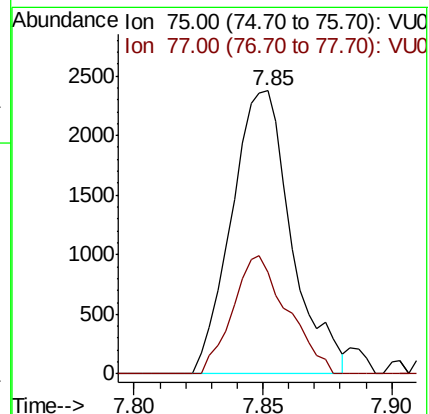
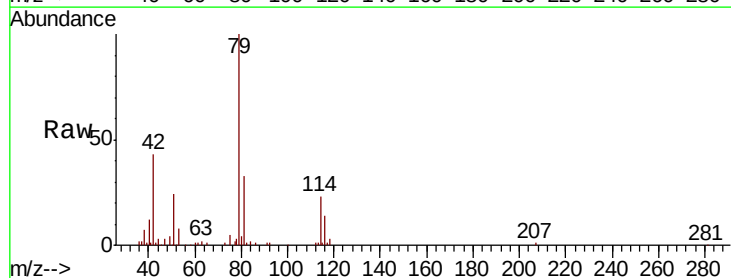
Acq: 05 Apr 2019 08:23

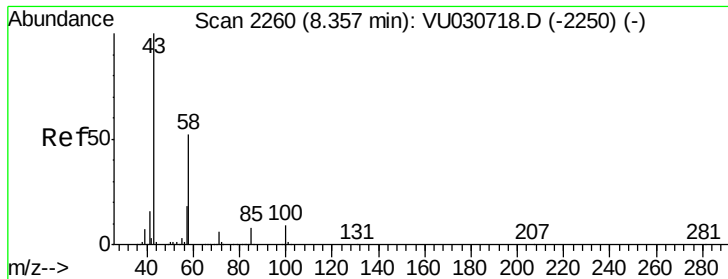
Tgt Ion: 75 Resp: 3849

Ion Ratio Lower Upper

75 100

77 36.0 21.6 40.0

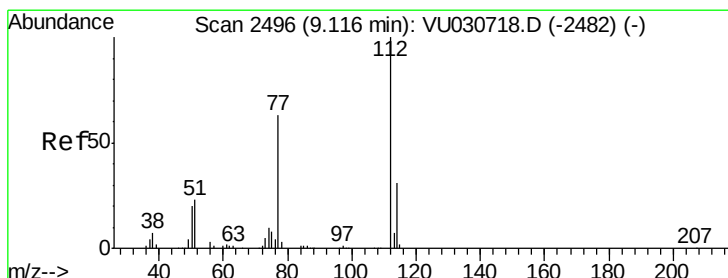
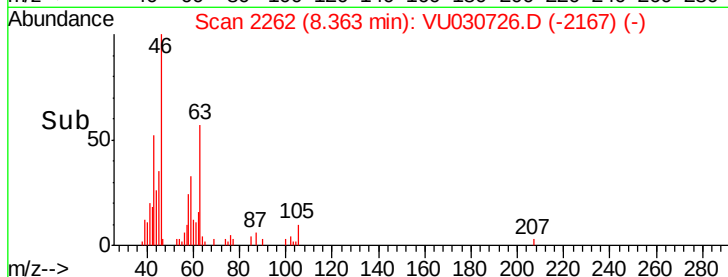
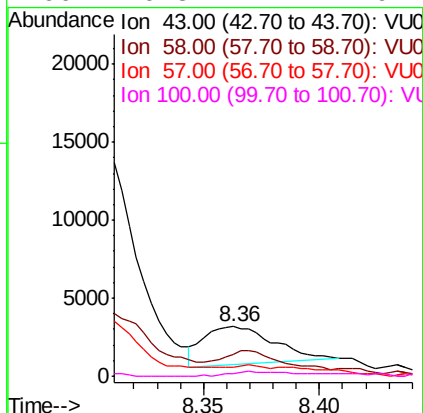
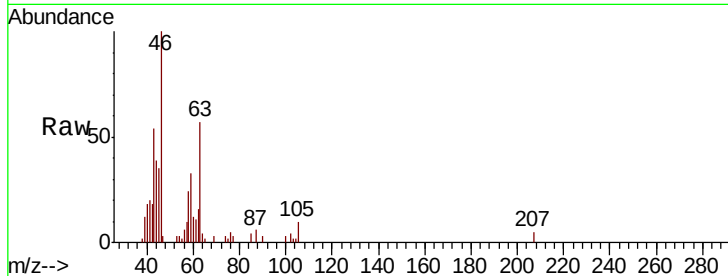




#48
2-Hexanone
Concen: 0.956 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.01 min
Lab File: VU030726.D
Acq: 05 Apr 2019 08:23

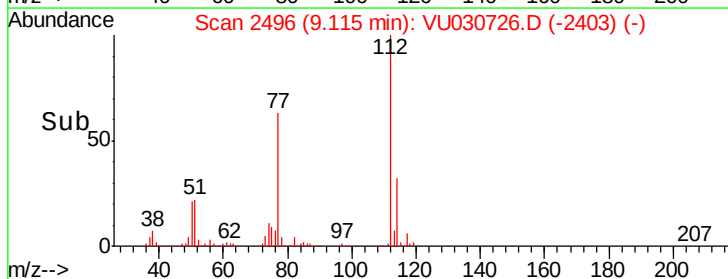
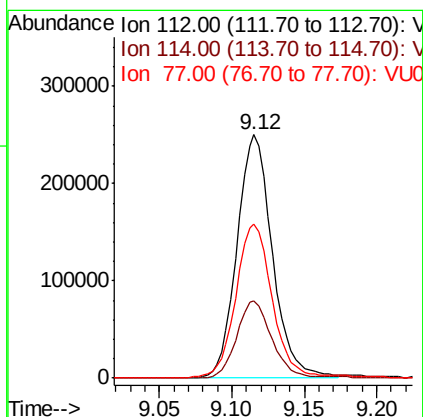
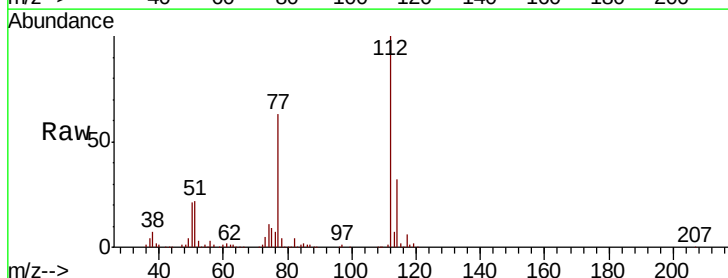
Instrument :
MSVOA_U
ClientSampleId :
E3YD9MSD

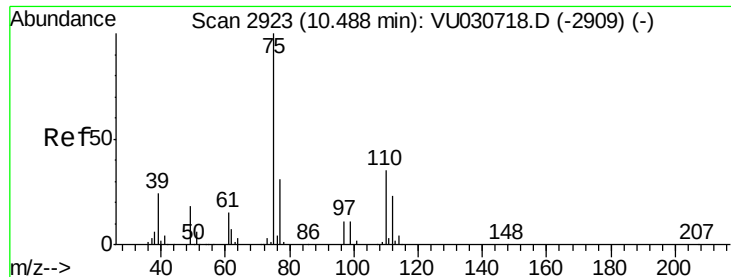
Tot Ion:	43	Resp:	5113
Ion	Ratio	Lower	Upper
43	100		
58	43.7	41.9	62.9
57	2.9	14.3	21.5#
100	6.3	7.1	10.7#



#51
Chlorobenzene
Concen: 45.169 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU030726.D
Acq: 05 Apr 2019 08:23

Tgt Ion:	112	Resp:	425725
Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.2	41.2
77	63.3	51.7	77.5





#59

1,2,3-Trichloropropane

Concen: 5.041 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU030726.D

Acq: 05 Apr 2019 08:23

Instrument :

MSVOA_U

ClientSampleId :

E3YD9MSD

Tot Ion: 75 Resp: 25735

Ion Ratio Lower Upper

75 100

77 34.4 26.1 39.1

