

Data File : VU031134.D
Acq On : 12 Apr 2019 17:27
Operator : JC/SP
Sample : K2341-15DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB737DL

Quant Time: Apr 13 01:05:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Apr 13 01:01:33 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	519835	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	514196	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	213506	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	217046	46.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.54%
7) Chloroethane-d5	1.68	69	163317	46.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.74%
11) 1,1-Dichloroethene-d2	2.26	63	281471	33.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.08%
21) 2-Butanone-d5	4.17	46	320719	87.20	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.20%
24) Chloroform-d	4.64	84	322968	45.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.12%
26) 1,2-Dichloroethane-d4	5.31	65	225046	46.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.06%
32) Benzene-d6	5.33	84	668471	44.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.06%
36) 1,2-Dichloropropane-d6	6.32	67	220370	42.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.68%
41) Toluene-d8	7.56	98	569289	42.79	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.58%
43) trans-1,3-Dichloropropene-	7.85	79	95551	40.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.46%
47) 2-Hexanone-d5	8.31	63	200440	85.25	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.25%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	297952	42.94	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.88%
64) 1,2-Dichlorobenzene-d4	11.86	152	200993	47.87	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.74%

Target Compounds

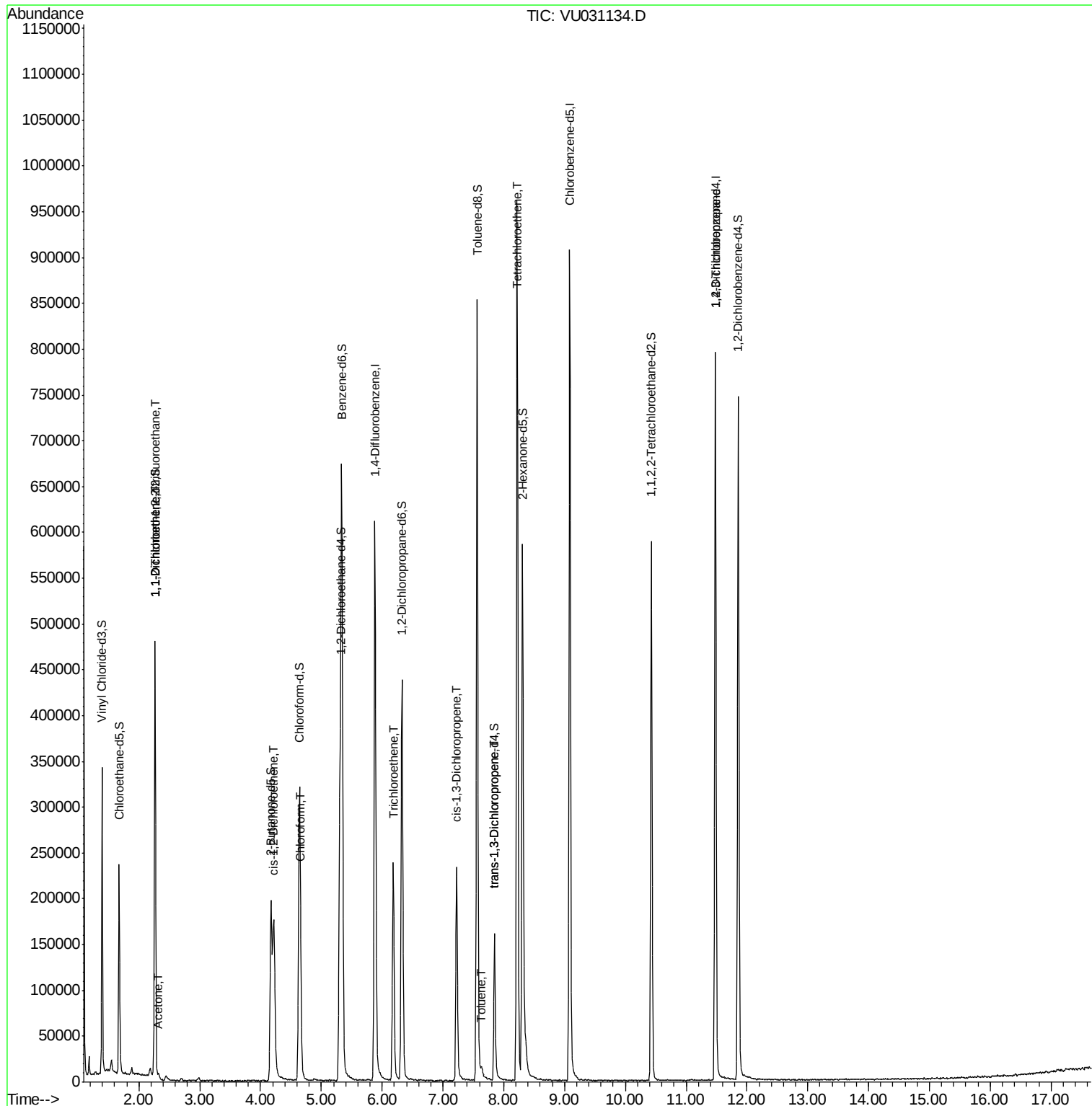
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2681	0.720	ug/L #	21
12) 1,1-Dichloroethene	2.27	96	2438	0.678	ug/L #	1
13) Acetone	2.32	43	3015	0.801	ug/L	79
20) cis-1,2-Dichloroethene	4.22	96	85049	20.188	ug/L	93
25) Chloroform	4.67	83	16275	2.057	ug/L	99
34) Trichloroethene	6.18	95	86412	20.938	ug/L	97
39) cis-1,3-Dichloropropene	7.22	75	5055	0.745	ug/L	89
42) Toluene	7.64	91	6740	0.392	ug/L	96
44) trans-1,3-Dichloropropene	7.85	75	3665	0.613	ug/L	98
46) Tetrachloroethene	8.22	164	217284	72.416	ug/L	100
59) 1,2,3-Trichloropropane	11.48	75	25726	4.508	ug/L	96

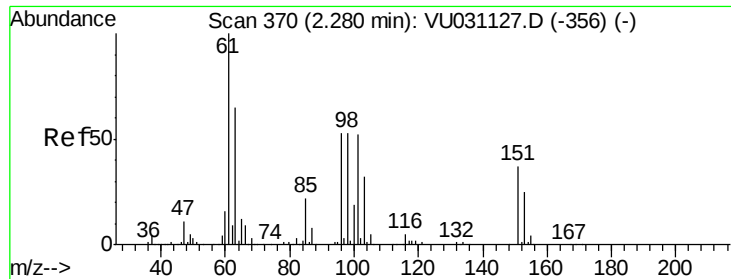
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.720 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU031134.D

Acq: 12 Apr 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

DB737DL

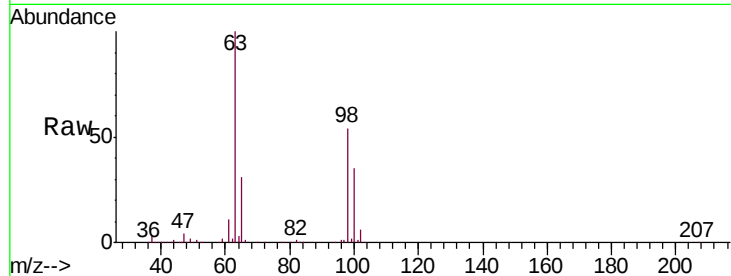
Tgt Ion: 101 Resp: 2681

Ion Ratio Lower Upper

101 100

85 1.5 36.8 55.2#

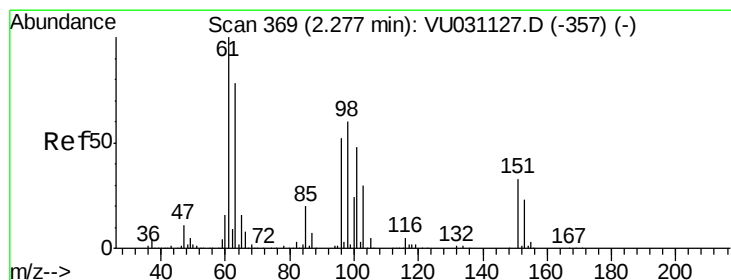
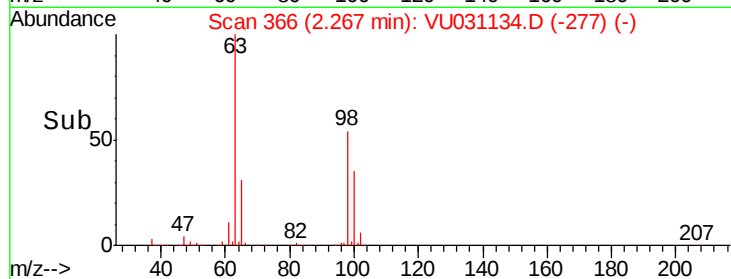
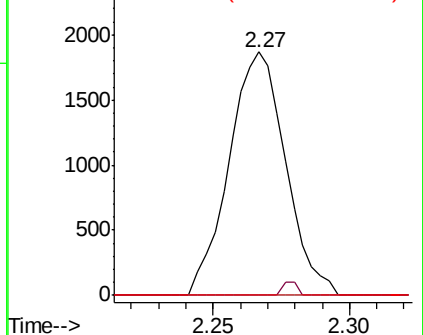
151 0.0 57.4 86.0#



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: 0.678 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU031134.D

Acq: 12 Apr 2019 17:27

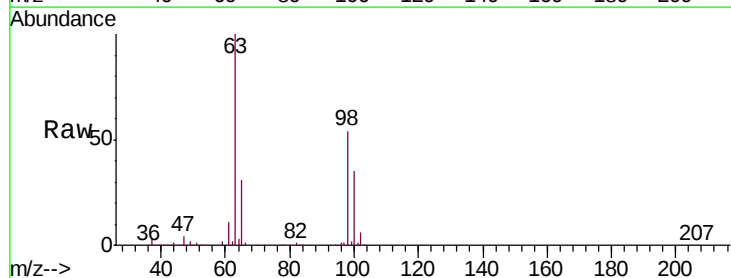
Tgt Ion: 96 Resp: 2438

Ion Ratio Lower Upper

96 100

61 1302.4 132.0 245.2#

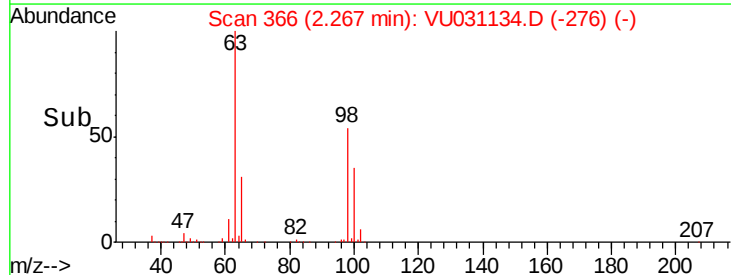
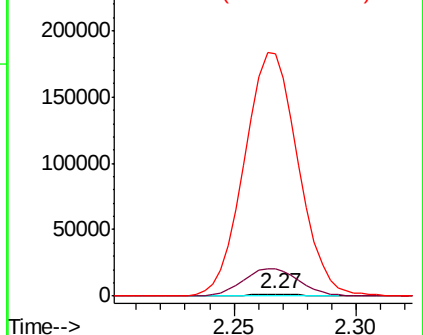
63 11442.9 90.9 168.9#

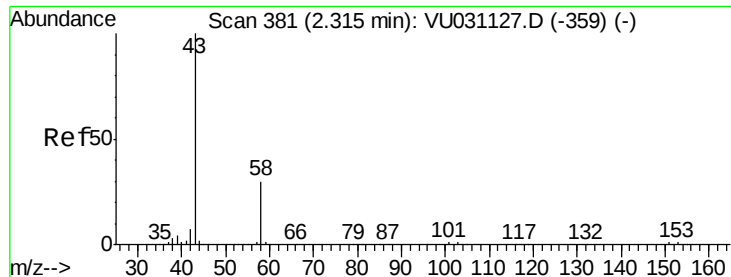


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 0.801 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU031134.D

Acq: 12 Apr 2019 17:27

Instrument :

MSVOA_U

ClientSampled :

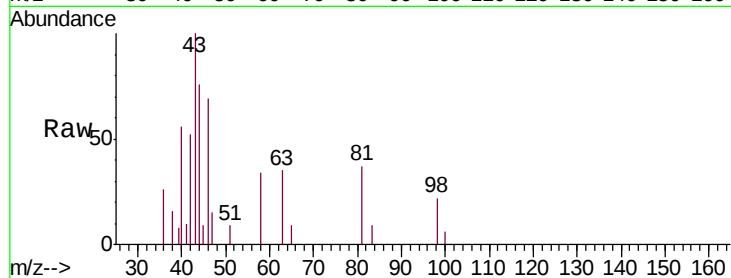
DB737DL

Tgt Ion: 43 Resp: 3015

Ion Ratio Lower Upper

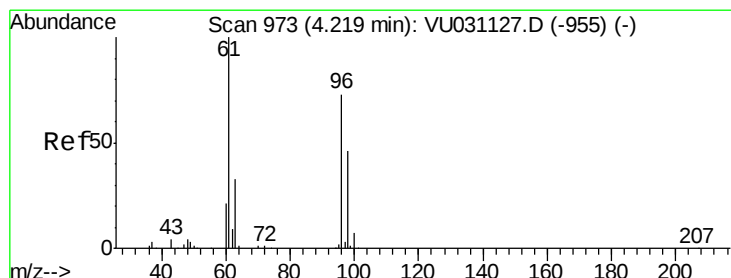
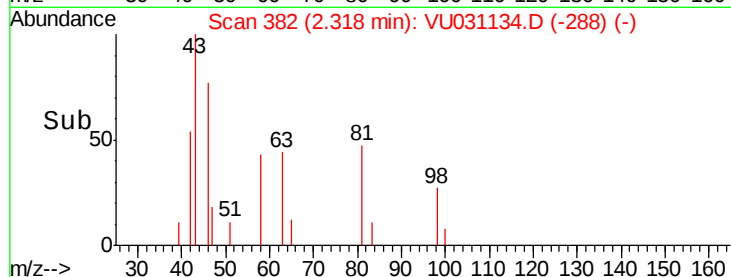
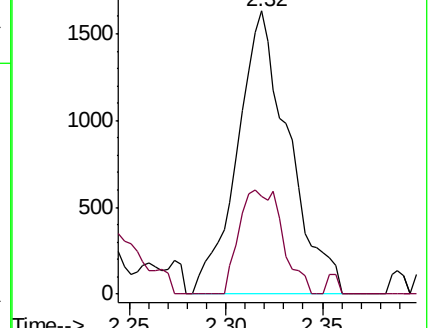
43 100

58 20.4 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU031127.D (-359) (-)

Ion 58.00 (57.70 to 58.70): VU031127.D (-359) (-)



#20

cis-1,2-Dichloroethene

Concen: 20.188 ug/L

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU031134.D

Acq: 12 Apr 2019 17:27

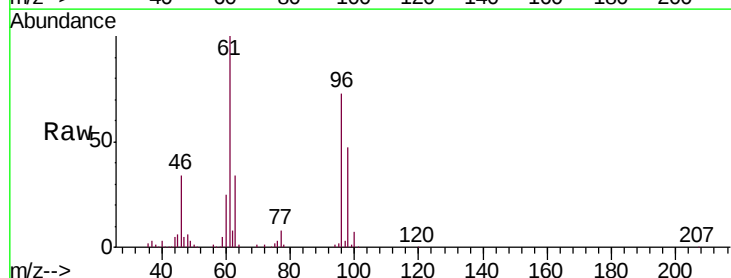
Tgt Ion: 96 Resp: 85049

Ion Ratio Lower Upper

96 100

61 137.7 102.9 191.1

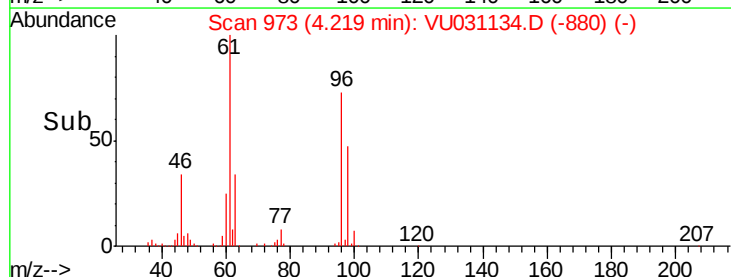
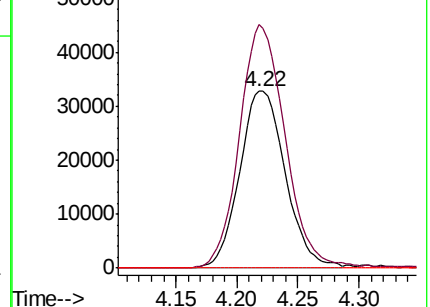
68 0.0 0.0 0.0

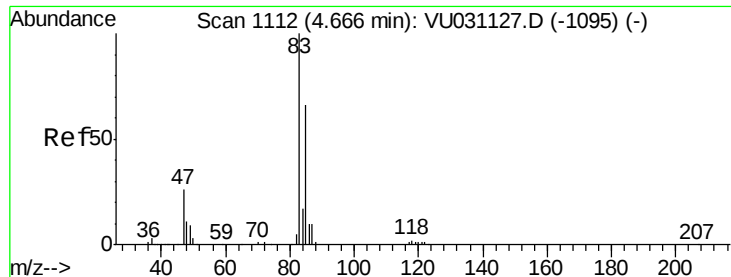


Abundance Ion 96.00 (95.70 to 96.70): VU031127.D (-955) (-)

Ion 61.00 (60.70 to 61.70): VU031127.D (-955) (-)

Ion 68.00 (67.70 to 68.70): VU031127.D (-955) (-)





#25

Chloroform

Concen: 2.057 ug/L

RT: 4.67 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VU031134.D

Acq: 12 Apr 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

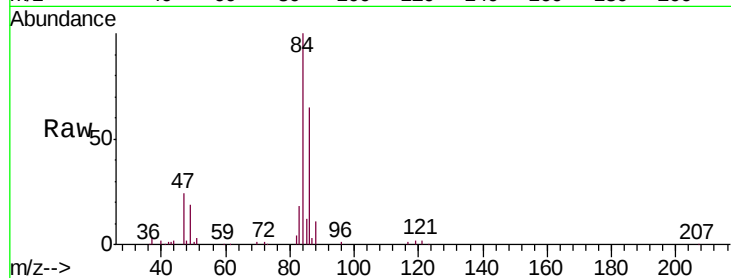
DB737DL

Tgt Ion: 83 Resp: 16275

Ion Ratio Lower Upper

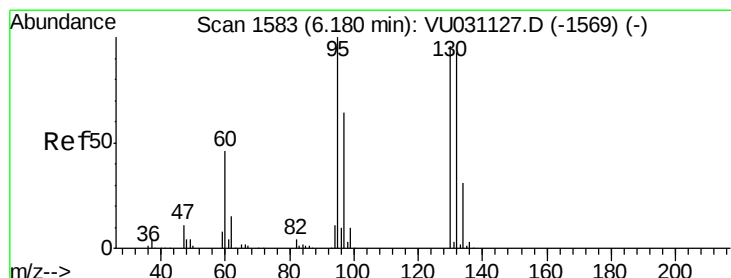
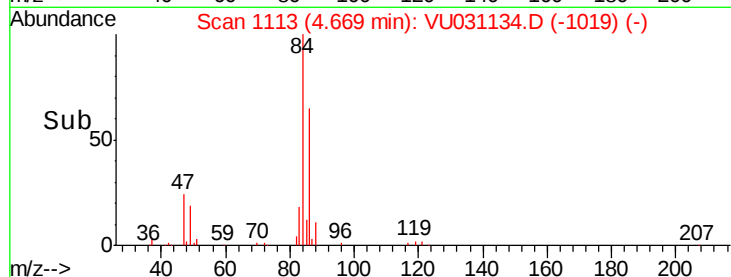
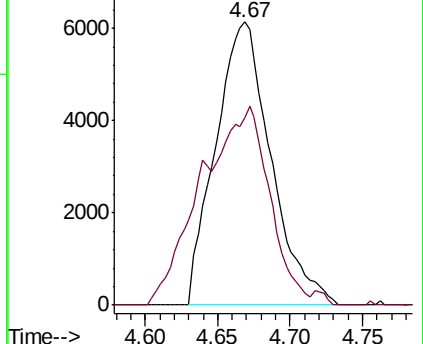
83 100

85 66.2 45.8 85.0



Abundance Ion 83.00 (82.70 to 83.70): VU031127.D (-1095) (-)

Ion 85.00 (84.70 to 85.70): VU031127.D (-1095) (-)



#34

Trichloroethene

Concen: 20.938 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU031134.D

Acq: 12 Apr 2019 17:27

Tgt Ion: 95 Resp: 86412

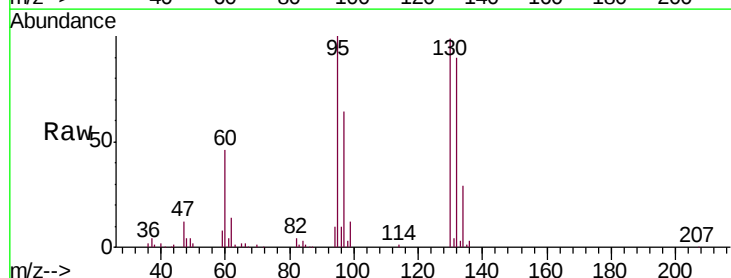
Ion Ratio Lower Upper

95 100

97 63.5 44.5 82.7

132 90.0 61.5 114.1

130 98.9 64.9 120.5

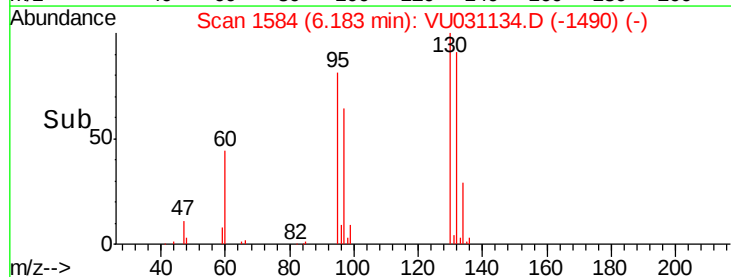
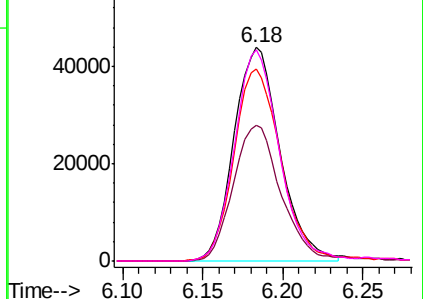


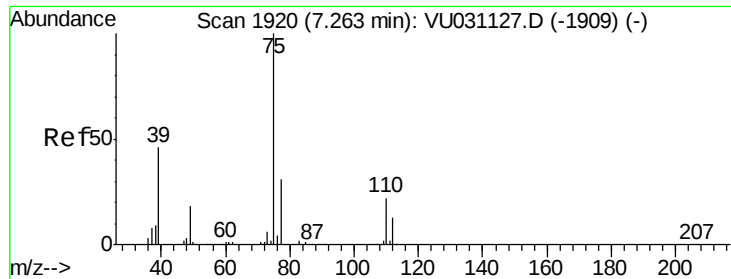
Abundance Ion 95.00 (94.70 to 95.70): VU031127.D (-1569) (-)

Ion 97.00 (96.70 to 97.70): VU031127.D (-1569) (-)

Ion 132.00 (131.70 to 132.70): VU031127.D (-1569) (-)

Ion 130.00 (129.70 to 130.70): VU031127.D (-1569) (-)

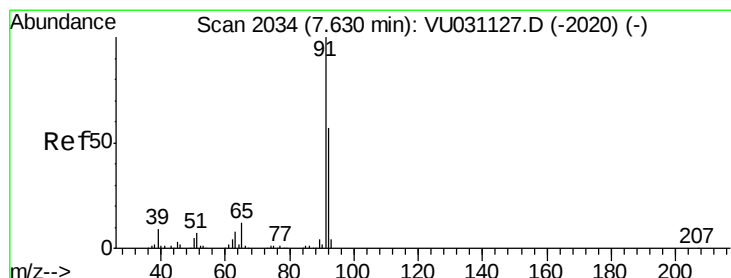
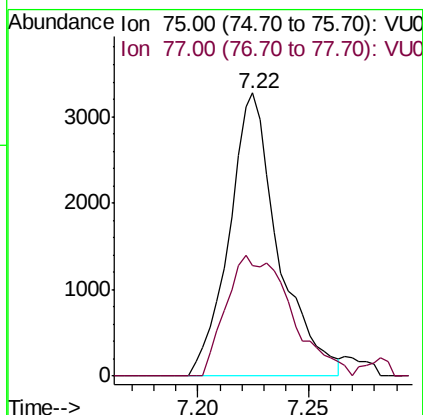
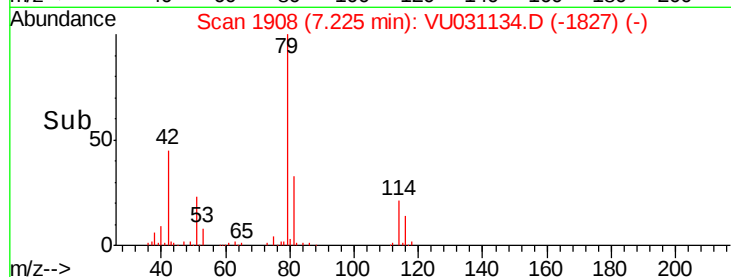
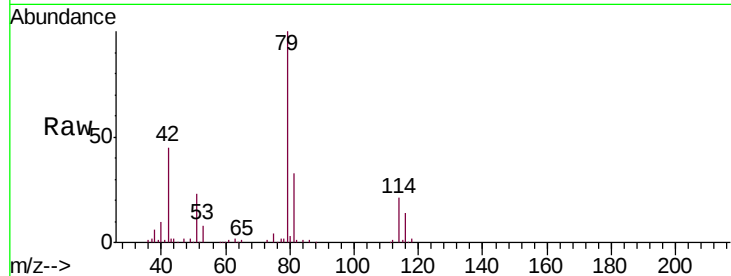




#39
 cis-1,3-Dichloropropene
 Concen: 0.745 ug/L
 RT: 7.22 min Scan# 1908
 Delta R.T. -0.04 min
 Lab File: VU031134.D
 Acq: 12 Apr 2019 17:27

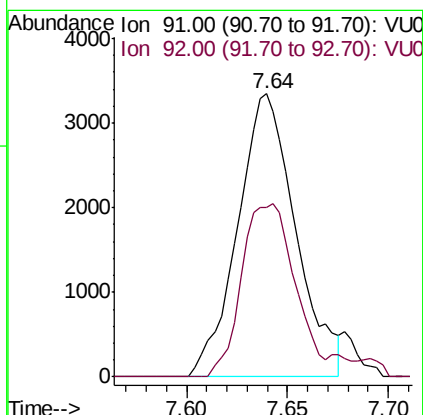
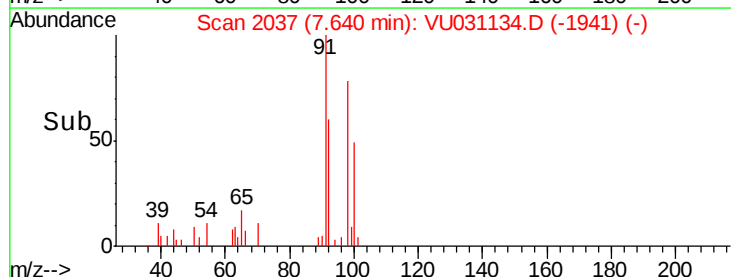
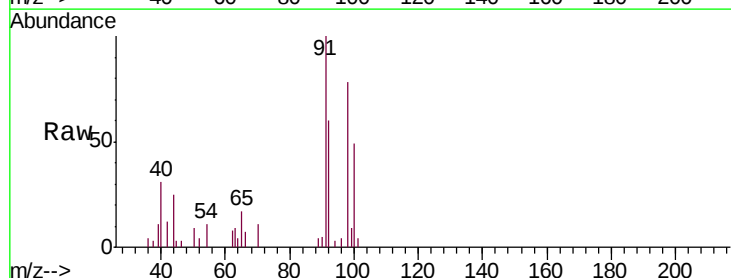
Instrument :
 MSVOA_U
 ClientSampleId :
 DB737DL

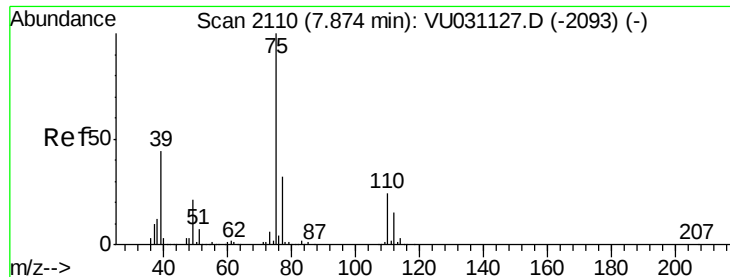
Tgt Ion: 75 Resp: 5055
 Ion Ratio Lower Upper
 75 100
 77 39.1 23.1 42.9



#42
 Toluene
 Concen: 0.392 ug/L
 RT: 7.64 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VU031134.D
 Acq: 12 Apr 2019 17:27

Tgt Ion: 91 Resp: 6740
 Ion Ratio Lower Upper
 91 100
 92 60.0 40.0 74.4





#44

trans-1,3-Dichloropropene

Concen: 0.613 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU031134.D

Acq: 12 Apr 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

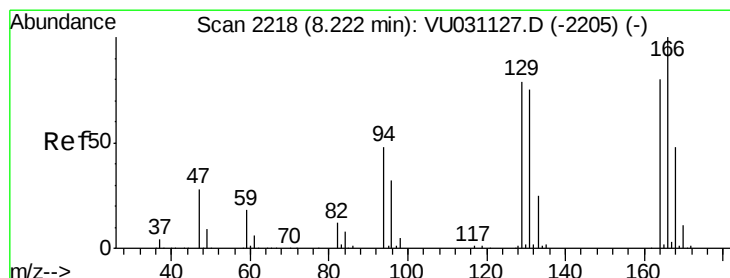
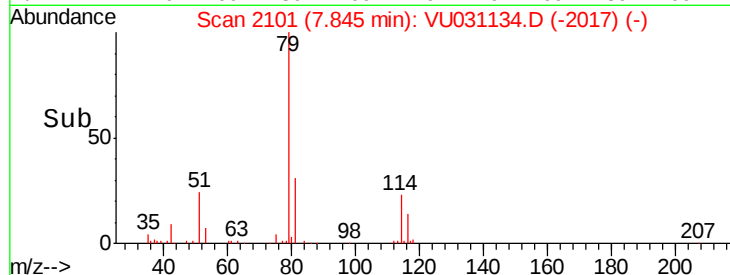
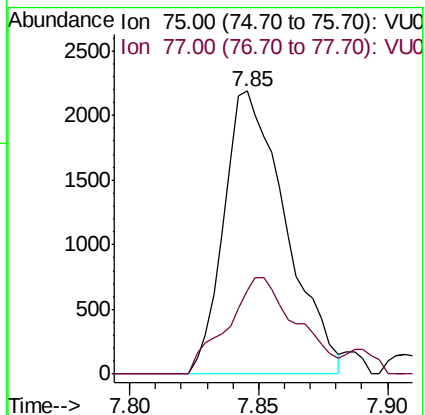
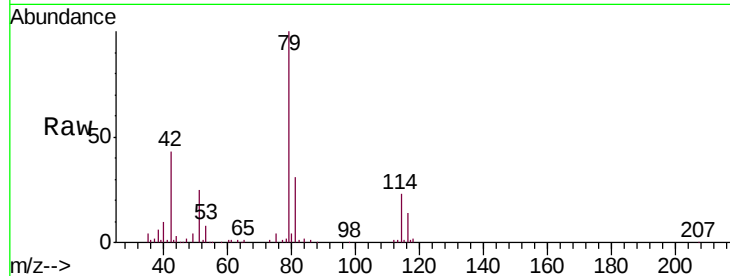
DB737DL

Tgt Ion: 75 Resp: 3665

Ion Ratio Lower Upper

75 100

77 29.4 21.6 40.0



#46

Tetrachloroethene

Concen: 72.416 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU031134.D

Acq: 12 Apr 2019 17:27

Tgt Ion: 164 Resp: 217284

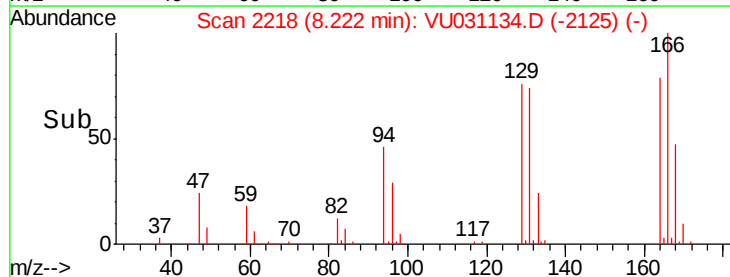
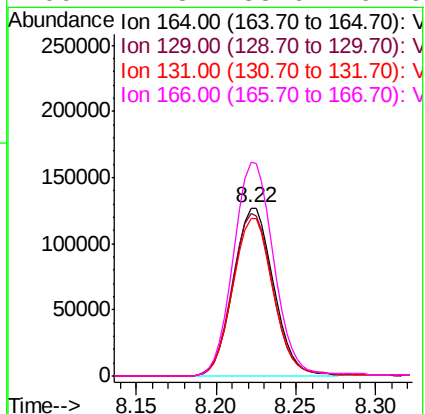
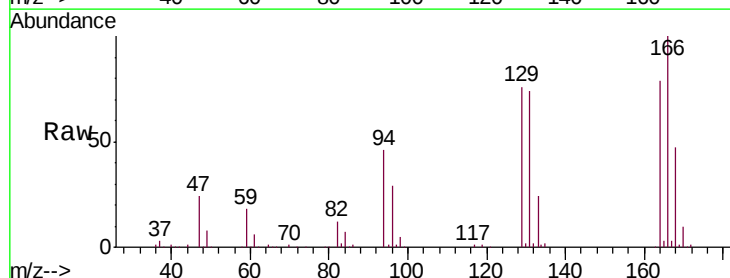
Ion Ratio Lower Upper

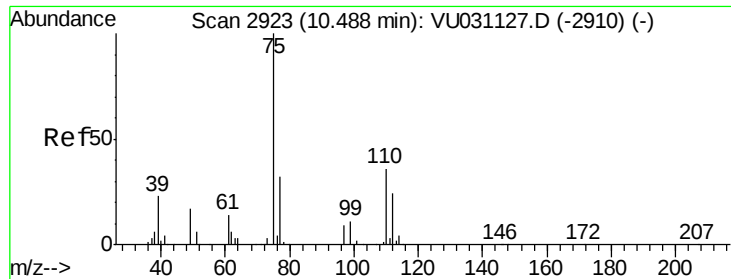
164 100

129 96.9 67.4 125.2

131 94.2 65.9 122.5

166 127.3 88.6 164.6





#59

1,2,3-Trichloropropane

Concen: 4.508 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU031134.D

Acq: 12 Apr 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

DB737DL

Tgt Ion: 75 Resp: 25726

Ion Ratio Lower Upper

75 100

77 34.7 26.1 39.1

