

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040519\
 Data File : VU030729.D
 Acq On : 05 Apr 2019 09:32
 Operator : JC/SP
 Sample : K2249-10
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YE4

Quant Time: Apr 05 23:45:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 05 23:39:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	464773	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	456391	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	195086	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	212010	51.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	102.20%
7) Chloroethane-d5	1.68	69	163740	52.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.00%
11) 1,1-Dichloroethene-d2	2.27	63	513379	68.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	136.82%#
21) 2-Butanone-d5	4.17	46	326461	99.28	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.28%
24) Chloroform-d	4.64	84	294306	46.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.88%
26) 1,2-Dichloroethane-d4	5.31	65	219003	50.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.28%
32) Benzene-d6	5.34	84	657389	49.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.68%
36) 1,2-Dichloropropane-d6	6.32	67	228584	50.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.12%
41) Toluene-d8	7.56	98	579297	49.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.10%
43) trans-1,3-Dichloropropene-	7.85	79	96564	46.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.76%
47) 2-Hexanone-d5	8.31	63	212366	101.76	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.76%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	301812	49.00	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.00%
64) 1,2-Dichlorobenzene-d4	11.86	152	196565	51.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.46%

Target Compounds

					Ovalue
9) Trichlorofluoromethane	1.88	101	13141	2.206 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	3805	1.143 ug/L #	21
12) 1,1-Dichloroethene	2.28	96	388419	120.899 ug/L	86
13) Acetone	2.32	43	15810	4.699 ug/L	92
17) trans-1,2-Dichloroethene	2.98	96	10464	3.067 ug/L	95
19) 1,1-Dichloroethane	3.44	63	775706	110.189 ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	923151	245.090 ug/L	99
25) Chloroform	4.67	83	69078	9.763 ug/L	97
27) 1,2-Dichloroethane	5.41	62	9698	1.796 ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	2170002	390.147 ug/L	100
34) Trichloroethene	6.18	95	503224	137.377 ug/L	99
40) 4-Methyl-2-pentanone	7.47	43	3631	0.534 ug/L #	75
44) trans-1,3-Dichloropropene	7.85	75	3565	0.672 ug/L #	75
45) 1,1,2-Trichloroethane	8.07	97	10435	2.909 ug/L	96
46) Tetrachloroethene	8.22	164	198639	74.587 ug/L	99
48) 2-Hexanone	8.31	43	27657	5.213 ug/L #	71
59) 1,2,3-Trichloropropane	11.48	75	25937	5.121 ug/L	94

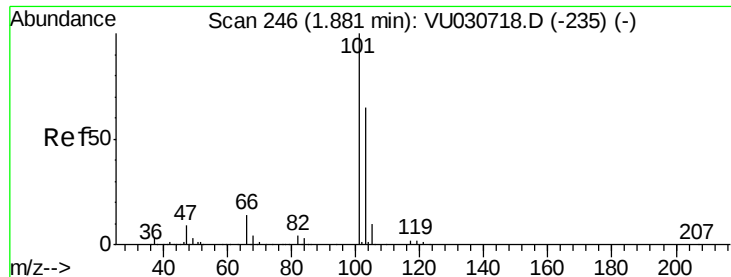
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040519\
Data File : VU030729.D
Acq On : 05 Apr 2019 09:32
Operator : JC/SP
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Quant Title : VOC Analysis
QLast Update : Fri Apr 05 23:39:17 2019
Response via : Initial Calibration

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



#9

Trichlorofluoromethane

Concen: 2.206 ug/L

RT: 1.88 min Scan# 247

Delta R.T. 0.00 min

Lab File: VU030729.D

Acq: 05 Apr 2019 09:32

Instrument :

MSVOA_U

ClientSampleId :

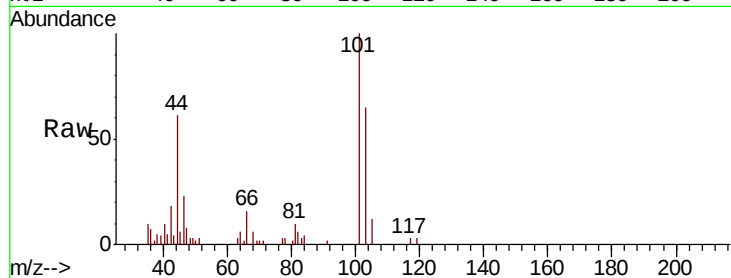
E3YE4

Tot Ion:101 Resp: 13141

Ion Ratio Lower Upper

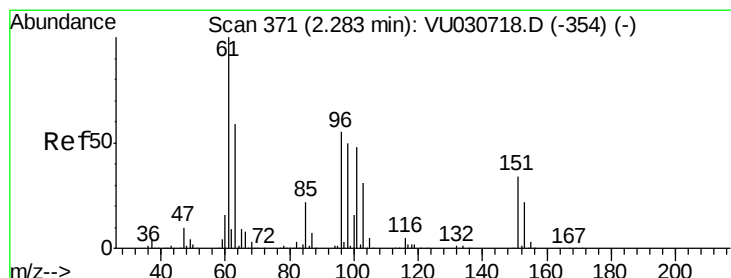
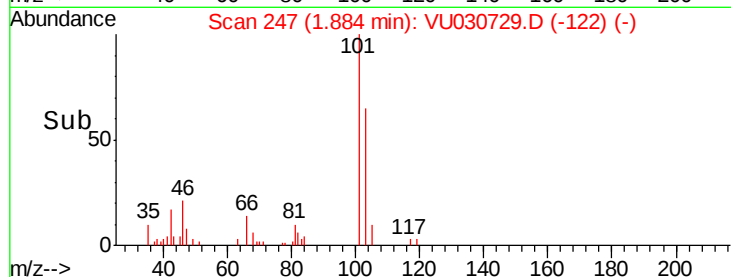
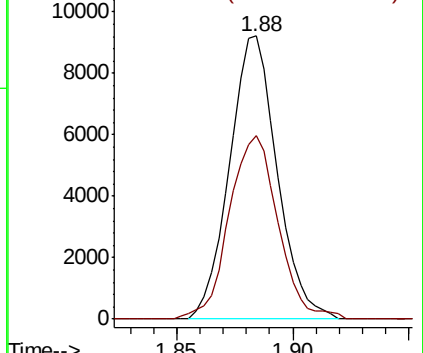
101 100

103 65.6 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#10

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

Concen: 1.143 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU030729.D

Acq: 05 Apr 2019 09:32

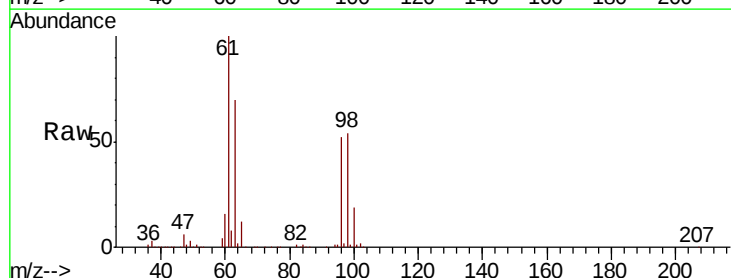
Tgt Ion:101 Resp: 3805

Ion Ratio Lower Upper

101 100

85 1.9 36.8 55.2#

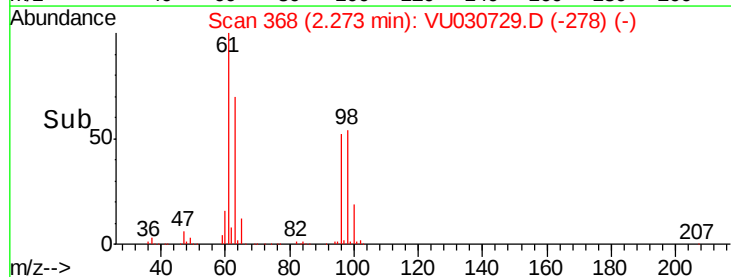
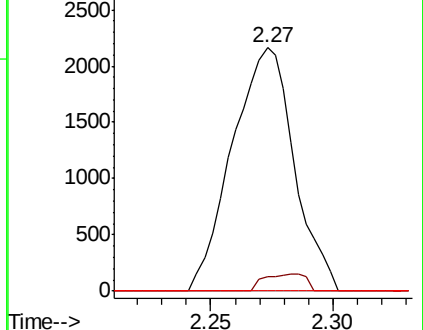
151 0.0 57.4 86.0#

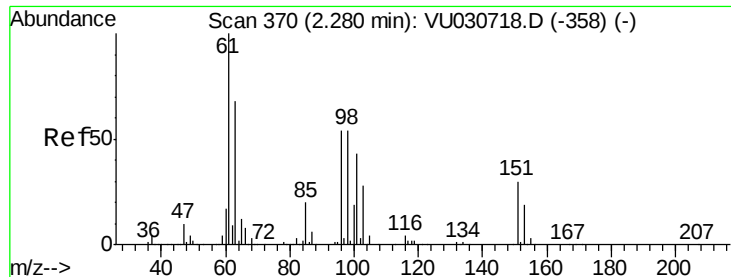


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#12

1,1-Dichloroethene

Concen: 120.899 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU030729.D

Acq: 05 Apr 2019 09:32

Instrument :

MSVOA_U

ClientSampleId :

E3YE4

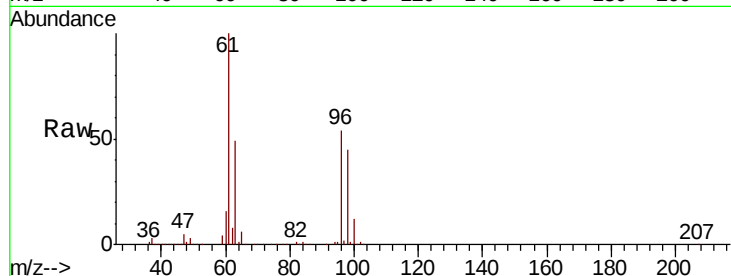
Tot Ion: 96 Resp: 388419

Ion Ratio Lower Upper

96 100

61 186.5 132.0 245.2

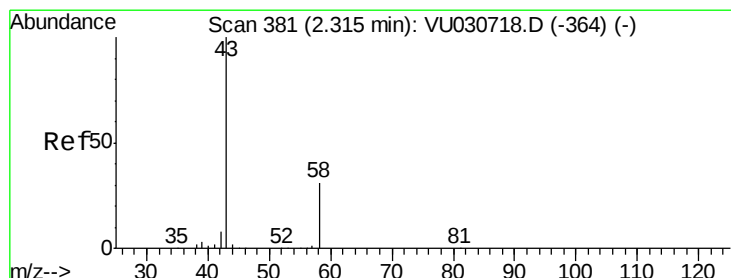
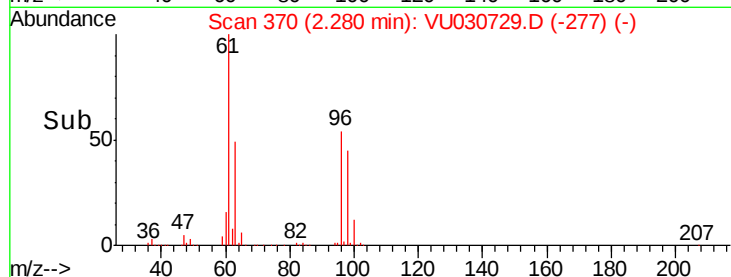
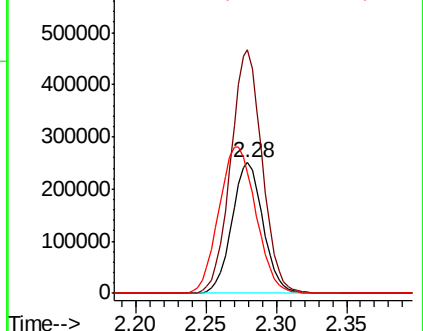
63 92.1 90.9 168.9



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: 4.699 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU030729.D

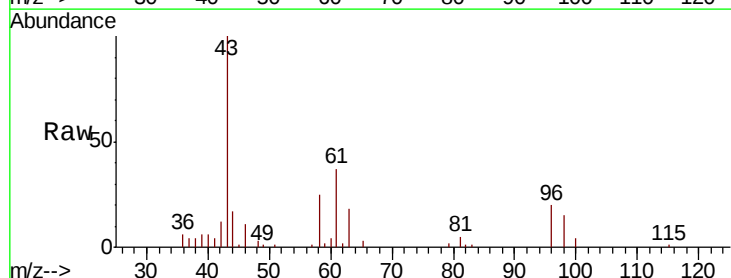
Acq: 05 Apr 2019 09:32

Tgt Ion: 43 Resp: 15810

Ion Ratio Lower Upper

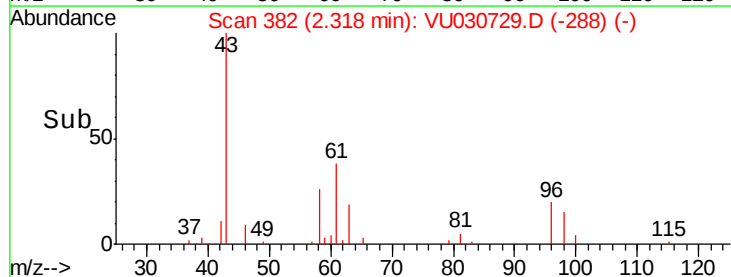
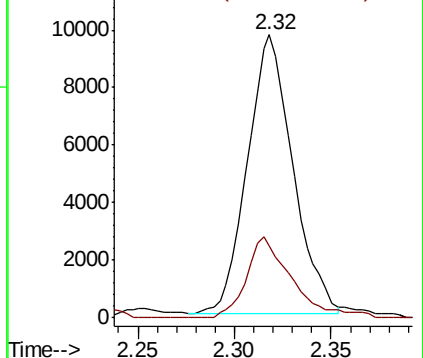
43 100

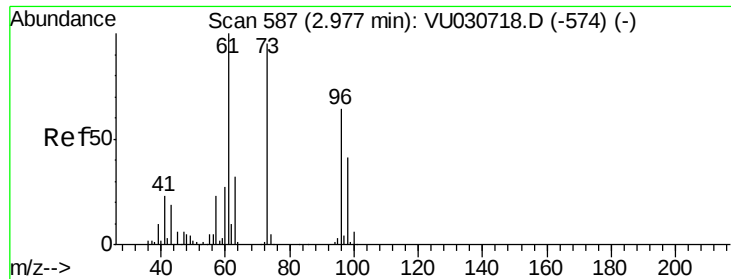
58 27.6 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#17

trans-1,2-Dichloroethene

Concen: 3.067 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU030729.D

Acq: 05 Apr 2019 09:32

Instrument :

MSVOA_U

ClientSampled :

E3YE4

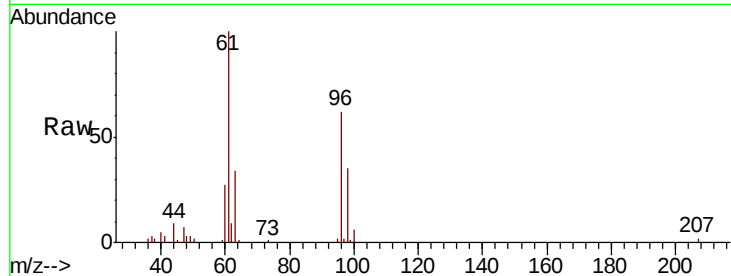
Tot Ion: 96 Resp: 10464

Ion Ratio Lower Upper

96 100

61 160.7 109.5 203.3

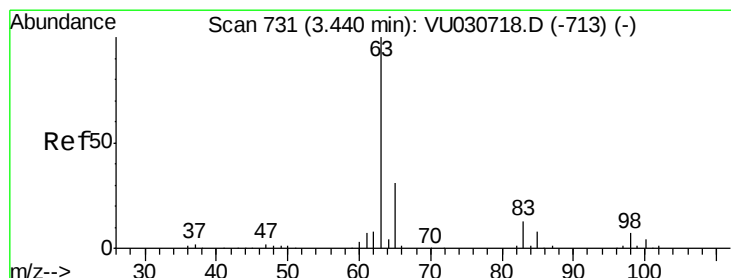
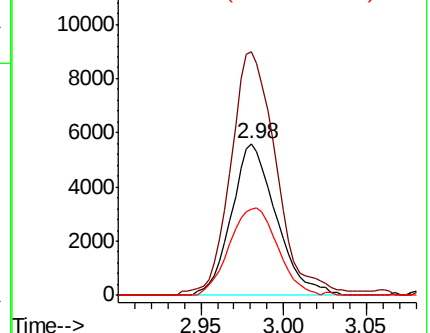
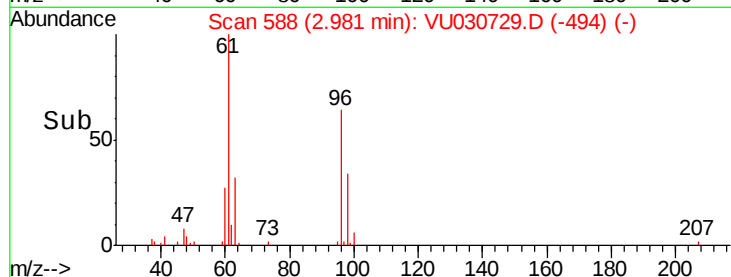
98 56.6 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VU030729.D (-494) (-)

Ion 61.00 (60.70 to 61.70): VU030729.D (-494) (-)

Ion 98.00 (97.70 to 98.70): VU030729.D (-494) (-)



#19

1,1-Dichloroethane

Concen: 110.189 ug/L

RT: 3.44 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU030729.D

Acq: 05 Apr 2019 09:32

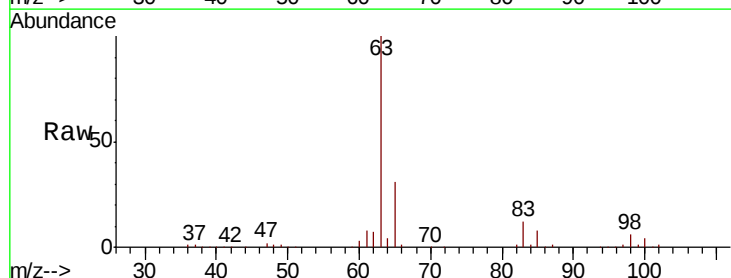
Tgt Ion: 63 Resp: 775706

Ion Ratio Lower Upper

63 100

65 31.5 21.4 39.8

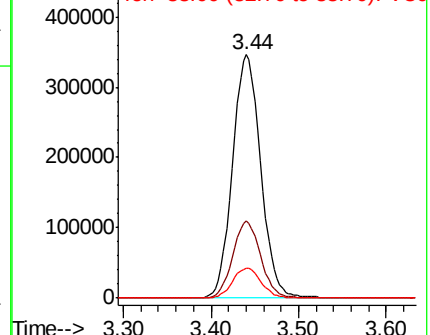
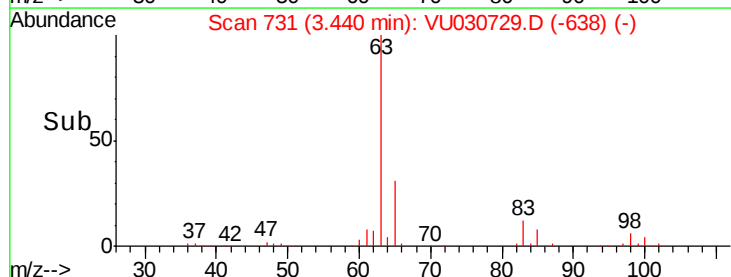
83 12.4 8.5 15.7

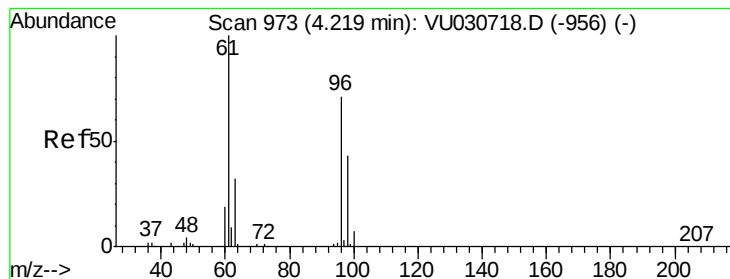


Abundance Ion 63.00 (62.70 to 63.70): VU030729.D (-638) (-)

Ion 65.00 (64.70 to 65.70): VU030729.D (-638) (-)

Ion 83.00 (82.70 to 83.70): VU030729.D (-638) (-)





#20

cis-1,2-Dichloroethene

Concen: 245.090 ug/L

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU030729.D

Acq: 05 Apr 2019 09:32

Instrument :

MSVOA_U

ClientSampleId :

E3YE4

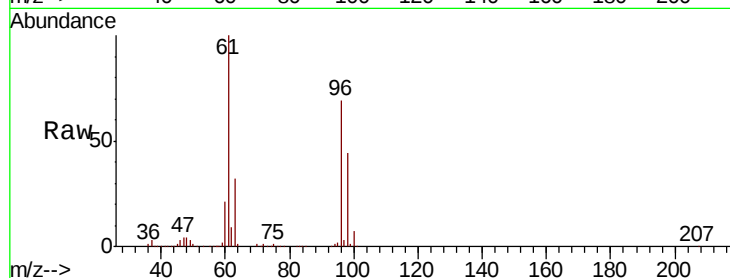
Tot Ion: 96 Resp: 923151

Ion Ratio Lower Upper

96 100

61 145.7 102.9 191.1

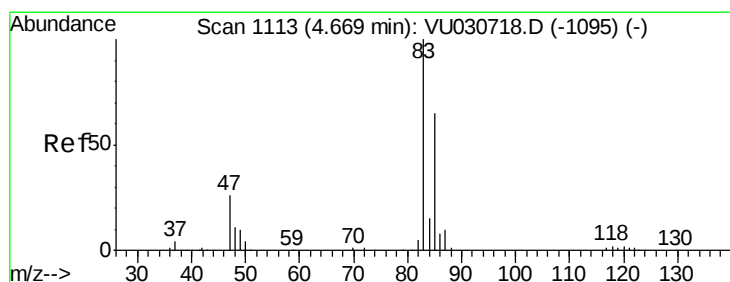
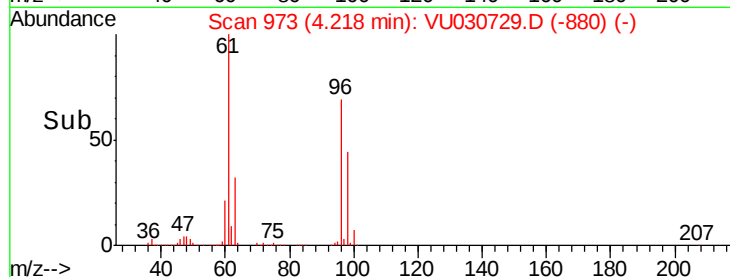
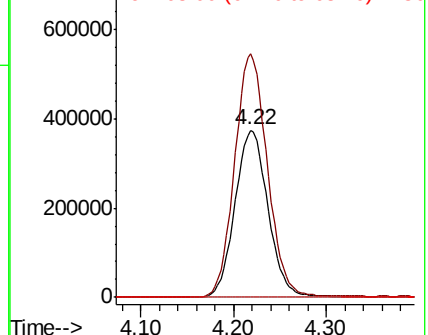
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU030718.D (-956) (-)

Ion 61.00 (60.70 to 61.70): VU030718.D (-956) (-)

Ion 68.00 (67.70 to 68.70): VU030718.D (-956) (-)



#25

Chloroform

Concen: 9.763 ug/L

RT: 4.67 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VU030729.D

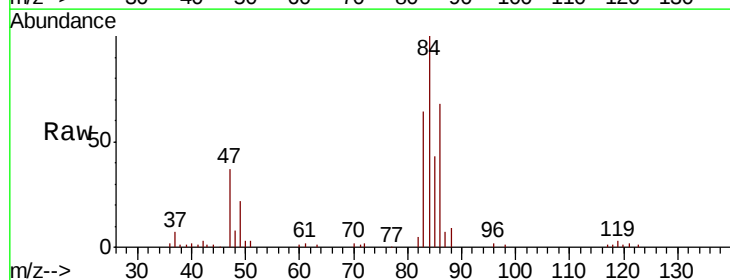
Acq: 05 Apr 2019 09:32

Tgt Ion: 83 Resp: 69078

Ion Ratio Lower Upper

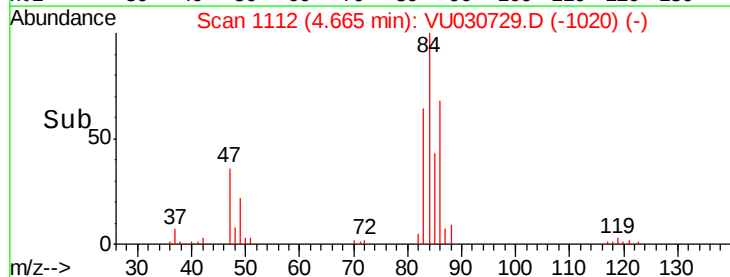
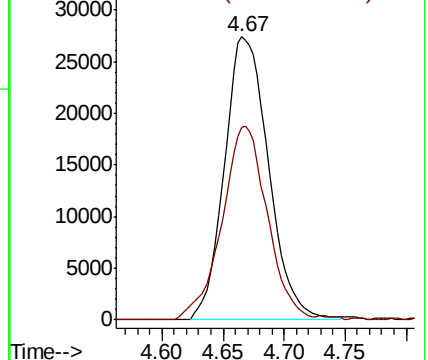
83 100

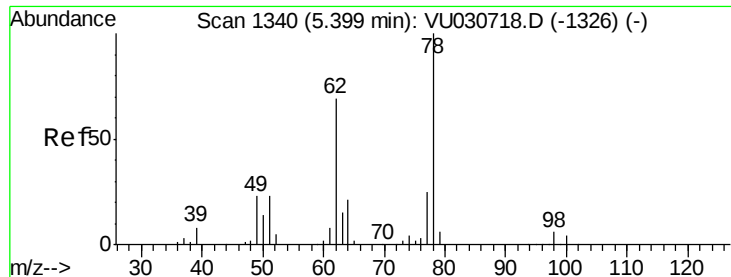
85 67.8 45.8 85.0



Abundance Ion 83.00 (82.70 to 83.70): VU030718.D (-1095) (-)

Ion 85.00 (84.70 to 85.70): VU030718.D (-1095) (-)





#27

1,2-Dichloroethane

Concen: 1.796 ug/L

RT: 5.41 min Scan# 1343

Delta R.T. 0.01 min

Lab File: VU030729.D

Acq: 05 Apr 2019 09:32

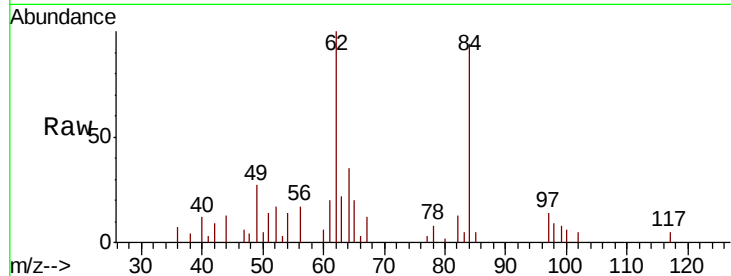
Instrument :
MSVOA_U
ClientSampled :
E3YE4

Tot Ion: 62 Resp: 9698

Ion Ratio Lower Upper

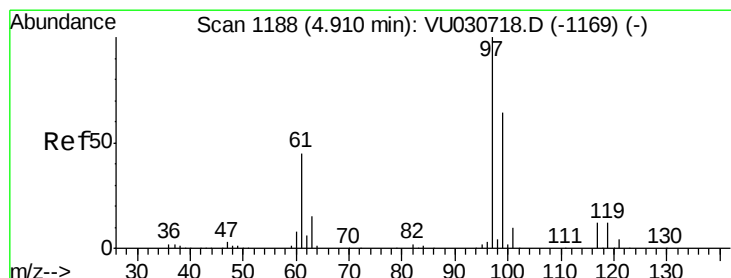
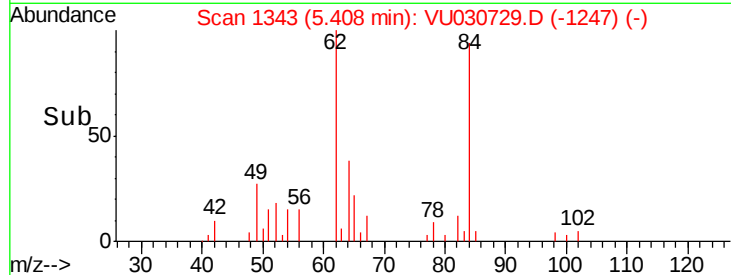
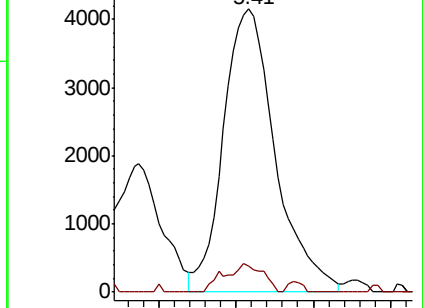
62 100

98 9.3 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: 390.147 ug/L

RT: 4.91 min Scan# 1188

Delta R.T. -0.00 min

Lab File: VU030729.D

Acq: 05 Apr 2019 09:32

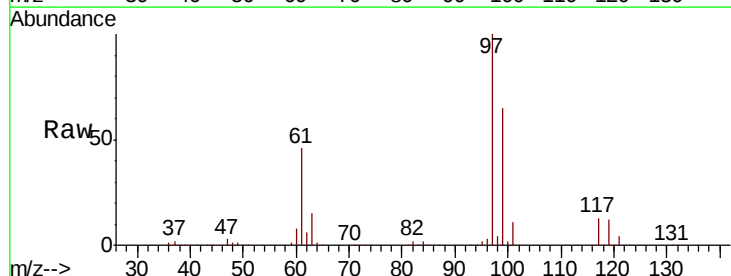
Tgt Ion: 97 Resp: 2170002

Ion Ratio Lower Upper

97 100

99 64.4 51.4 77.2

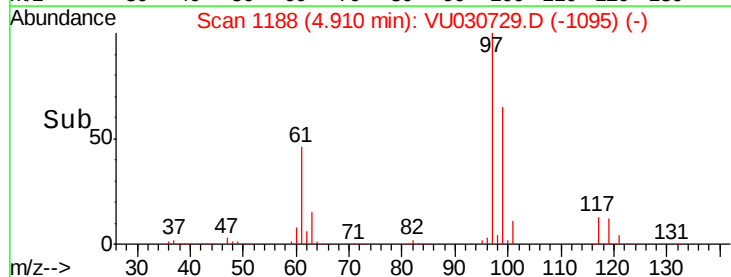
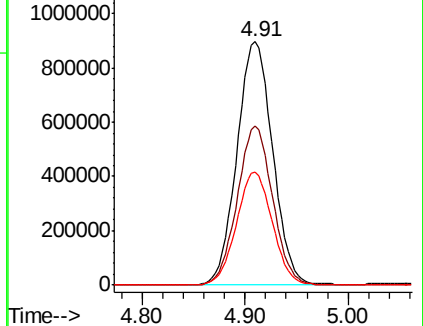
61 46.4 37.1 55.7

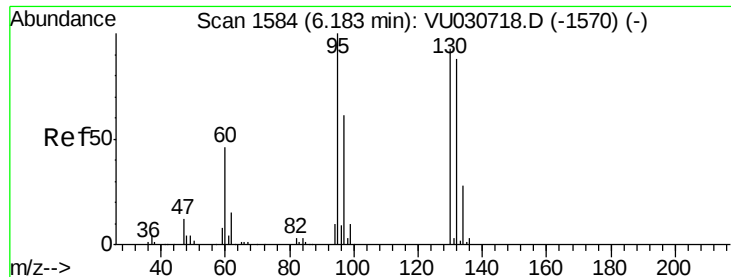


Abundance Ion 97.00 (96.70 to 97.70): VU030718.D (-1169) (-)

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

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

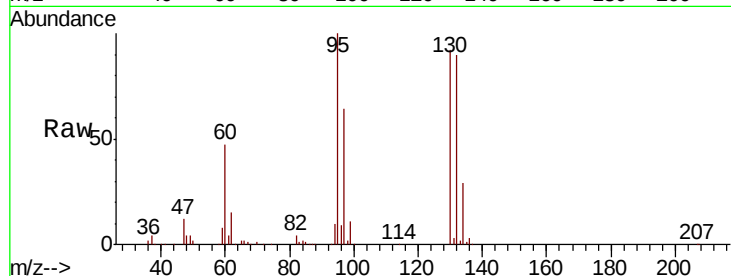




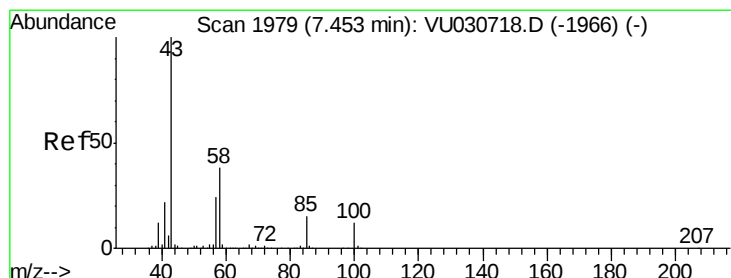
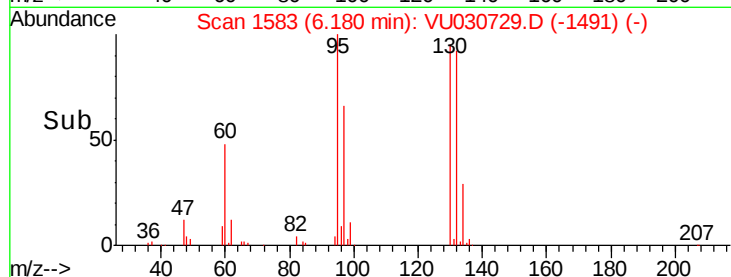
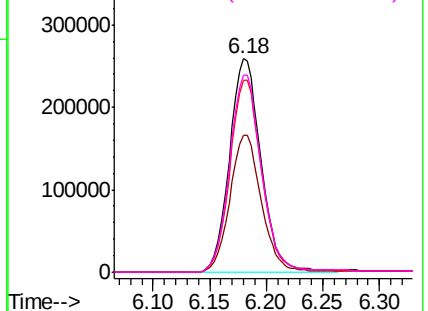
#34
 Trichloroethene
 Concen: 137.377 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VU030729.D
 Acq: 05 Apr 2019 09:32

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YE4

Tot Ion:	95	Resp:	503224
Ion	Ratio	Lower	Upper
95	100		
97	64.3	44.5	82.7
132	89.7	61.5	114.1
130	92.4	64.9	120.5

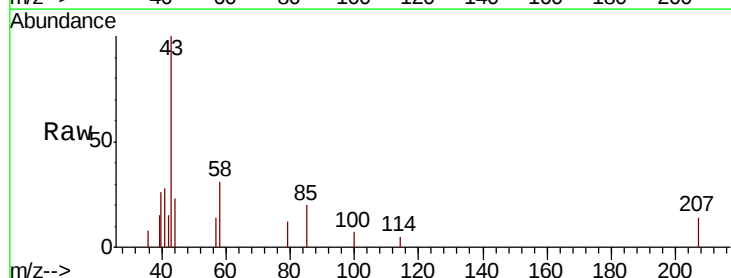


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

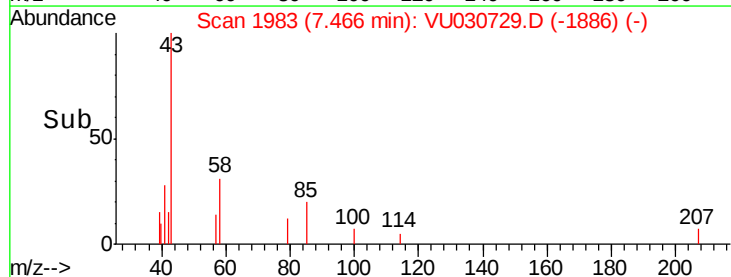
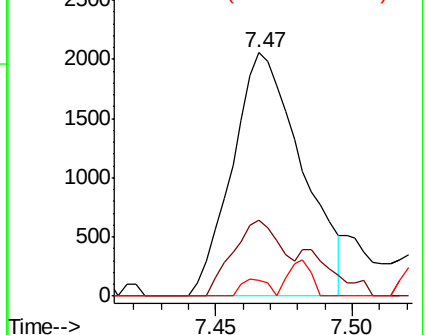


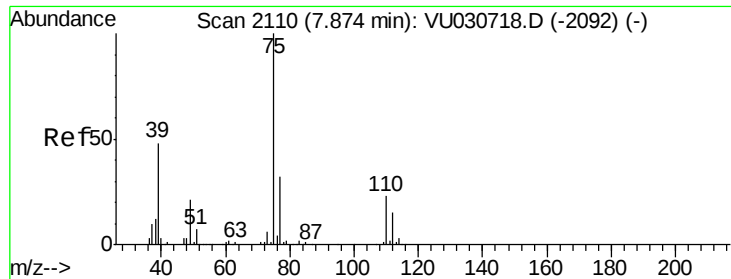
#40
 4-Methyl-2-pentanone
 Concen: 0.534 ug/L
 RT: 7.47 min Scan# 1983
 Delta R.T. 0.01 min
 Lab File: VU030729.D
 Acq: 05 Apr 2019 09:32

Tgt Ion:	43	Resp:	3631
Ion	Ratio	Lower	Upper
43	100		
58	22.4	29.7	44.5#
100	2.6	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): VU





#44

trans-1,3-Dichloropropene

Concen: 0.672 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU030729.D

Acq: 05 Apr 2019 09:32

Instrument :

MSVOA_U

ClientSampleId :

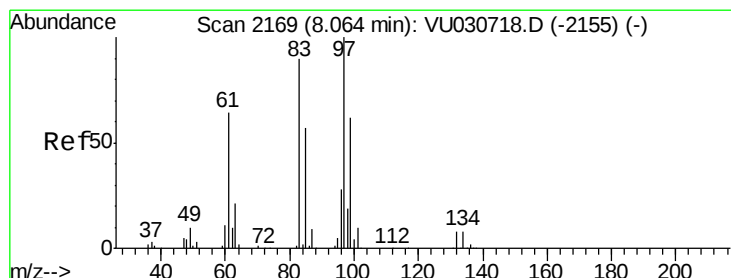
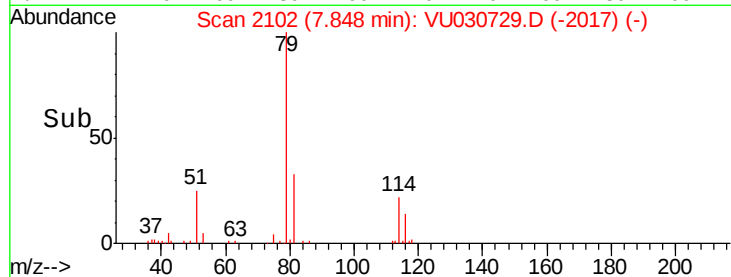
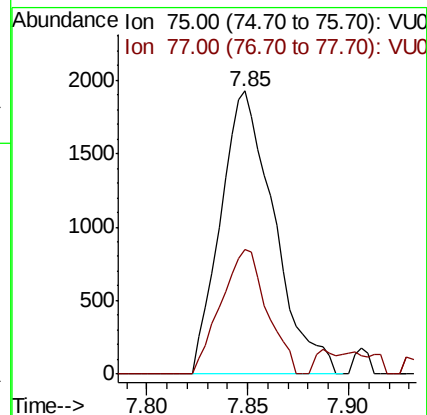
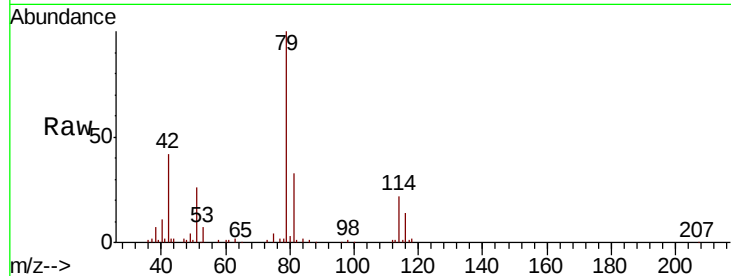
E3YE4

Tot Ion: 75 Resp: 3565

Ion Ratio Lower Upper

75 100

77 44.3 21.6 40.0#



#45

1,1,2-Trichloroethane

Concen: 2.909 ug/L

RT: 8.07 min Scan# 2170

Delta R.T. 0.00 min

Lab File: VU030729.D

Acq: 05 Apr 2019 09:32

Tgt Ion: 97 Resp: 10435

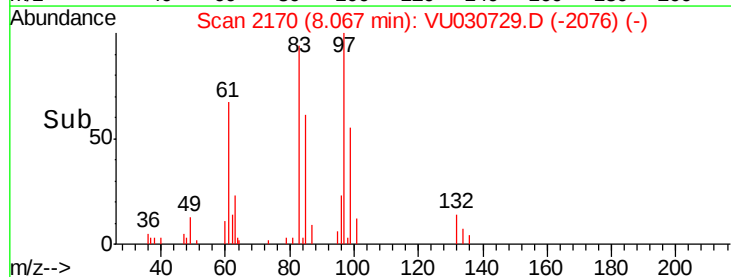
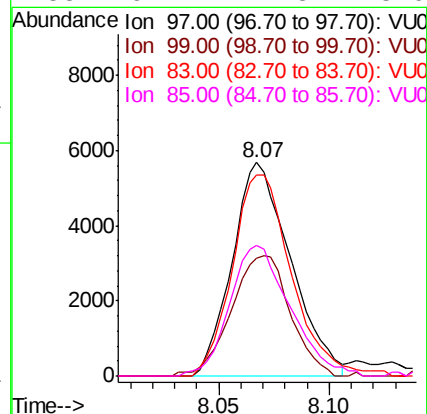
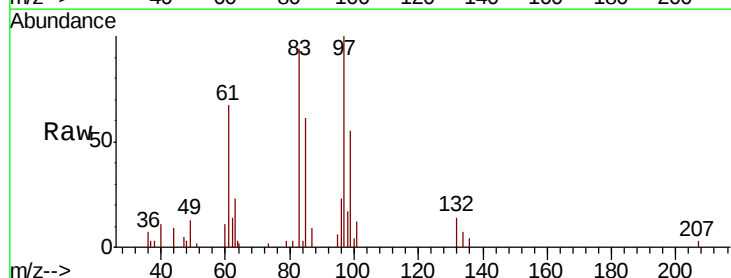
Ion Ratio Lower Upper

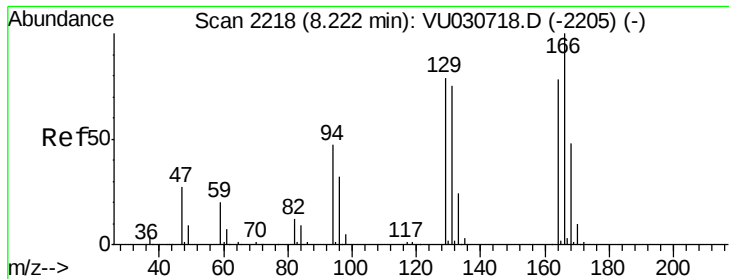
97 100

99 54.9 44.0 81.8

83 94.3 65.3 121.3

85 61.4 42.5 78.9

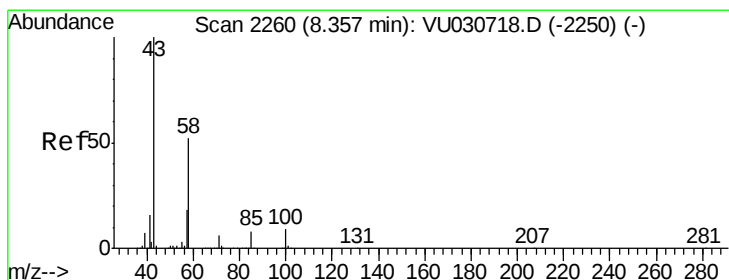
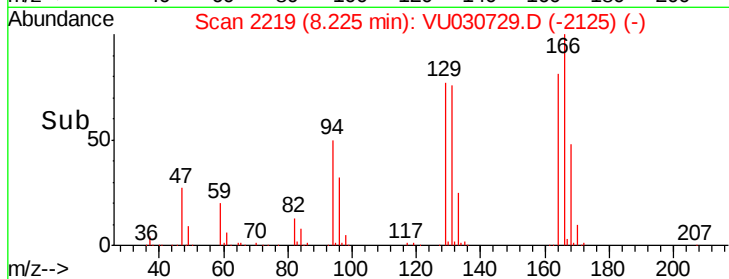
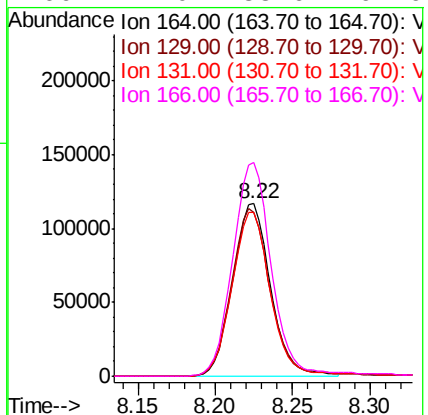
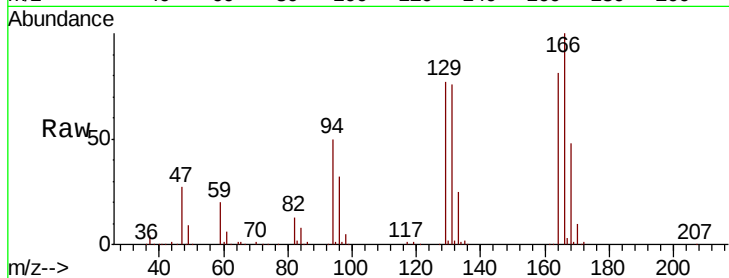




#46
Tetrachloroethene
Concen: 74.587 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU030729.D
Acq: 05 Apr 2019 09:32

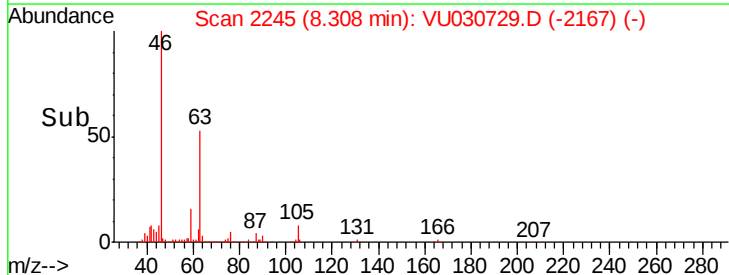
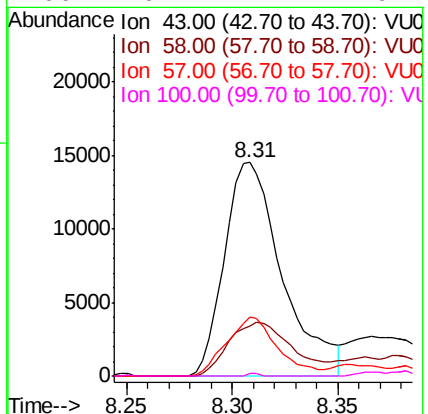
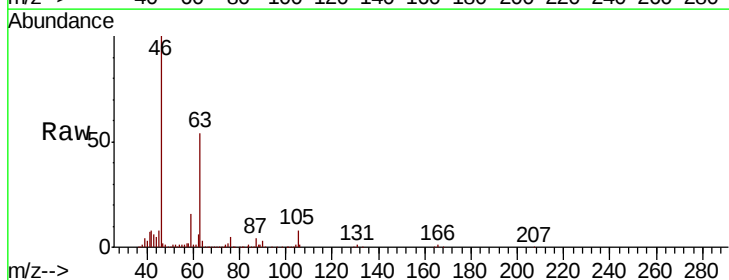
Instrument :
MSVOA_U
ClientSampled :
E3YE4

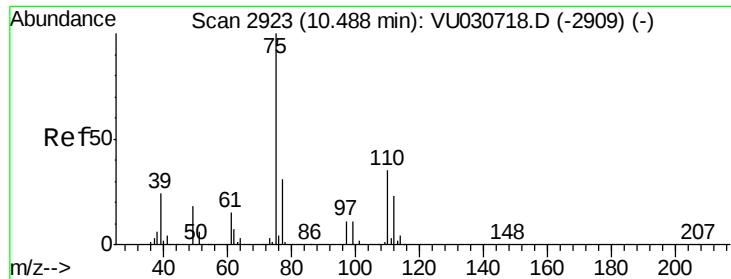
Tot Ion:	164	Resp:	198639
Ion	Ratio	Lower	Upper
164	100		
129	95.1	67.4	125.2
131	94.8	65.9	122.5
166	124.0	88.6	164.6



#48
2-Hexanone
Concen: 5.213 ug/L
RT: 8.31 min Scan# 2245
Delta R.T. -0.05 min
Lab File: VU030729.D
Acq: 05 Apr 2019 09:32

Tgt Ion:	43	Resp:	27657
Ion	Ratio	Lower	Upper
43	100		
58	28.1	41.9	62.9#
57	24.3	14.3	21.5#
100	0.2	7.1	10.7#





#59

1,2,3-Trichloropropane

Concen: 5.121 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU030729.D

Acq: 05 Apr 2019 09:32

Instrument :

MSVOA_U

ClientSampleId :

E3YE4

Tot Ion: 75 Resp: 25937

Ion Ratio Lower Upper

75 100

77 35.9 26.1 39.1

