

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041019\
 Data File : VU030927.D
 Acq On : 09 Apr 2019 00:12
 Operator : JC/SP
 Sample : K2248-14
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YC3

Quant Time: Apr 09 01:18:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR032919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Apr 09 01:11:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	225766	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	223849	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	90819	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	95424	5.53	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	110.60%
7) Chloroethane-d5	1.68	69	80560	5.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	115.80%
11) 1,1-Dichloroethene-d2	2.27	63	140332	3.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.40%
20) 2-Butanone-d5	4.20	46	312094	70.20	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	140.40%#
24) Chloroform-d	4.64	84	154448	5.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.60%
26) 1,2-Dichloroethane-d4	5.31	65	99189	6.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	127.80%
32) Benzene-d6	5.33	84	323806	5.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.80%
36) 1,2-Dichloropropane-d6	6.33	67	110757	5.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	112.00%
41) Toluene-d8	7.56	98	254279	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
43) trans-1,3-Dichloropropene-	7.85	79	38200	5.20	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	104.00%
46) 2-Hexanone-d5	8.31	63	192385	60.26	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	120.52%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	93360	6.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	131.80%#
64) 1,2-Dichlorobenzene-d4	11.86	152	88571	5.83	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	116.60%

Target Compounds

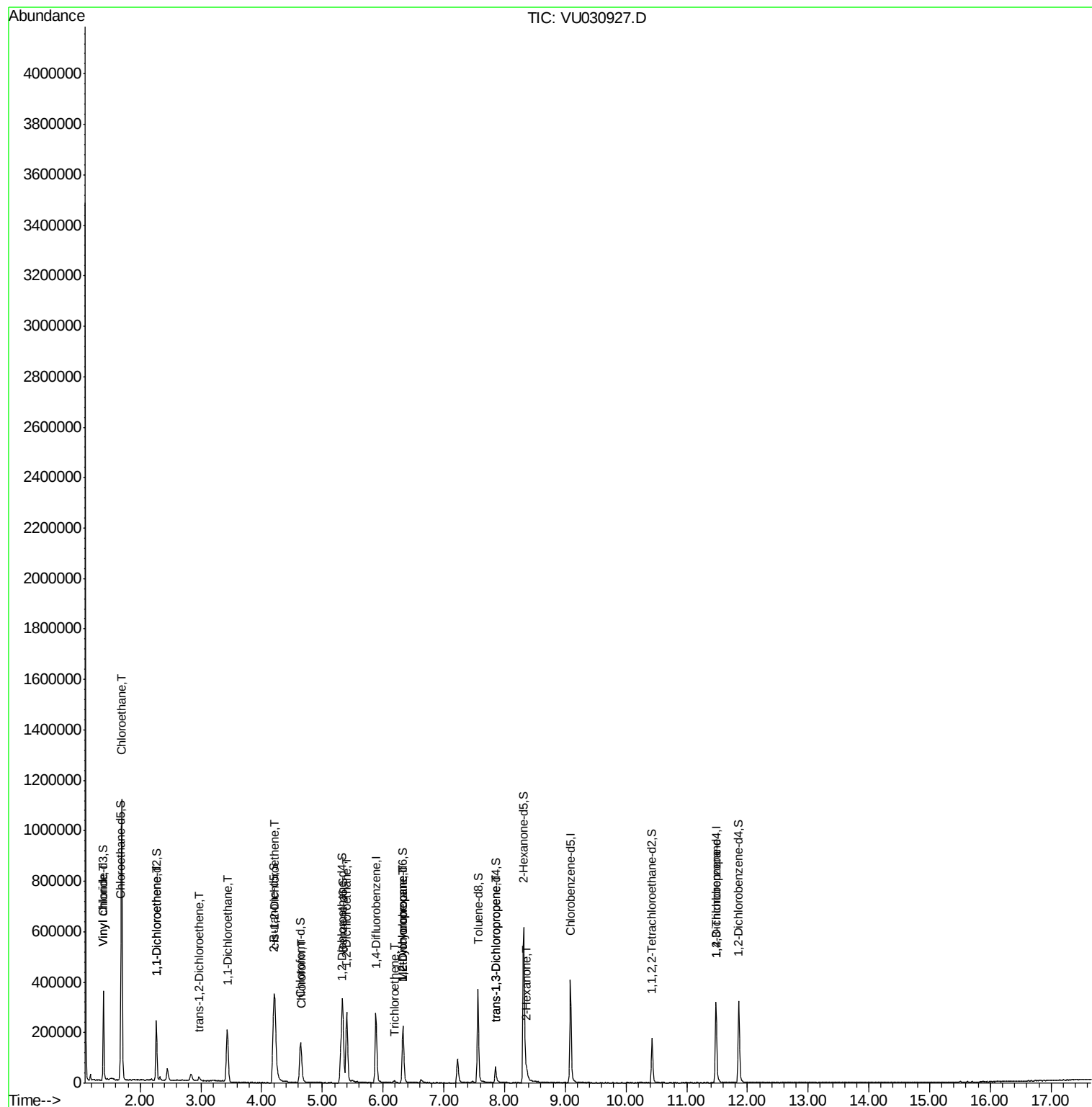
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.40	62	145927	5.402	ug/L	97
8) Chloroethane	1.69	64	674414	43.886	ug/L	98
12) 1,1-Dichloroethene	2.27	96	3051	0.185	ug/L #	1
18) trans-1,2-Dichloroethene	2.97	96	4762	0.274	ug/L	92
19) 1,1-Dichloroethane	3.43	63	229313	6.233	ug/L	99
22) cis-1,2-Dichloroethene	4.22	96	134626	7.259	ug/L	98
25) Chloroform	4.67	83	15262	0.455	ug/L	97
27) 1,2-Dichloroethane	5.40	62	240915	11.071	ug/L	100
34) Trichloroethene	6.18	95	2594	0.137	ug/L #	75
35) Methylcyclohexane	6.33	83	25803	0.853	ug/L #	13
37) 1,2-Dichloropropane	6.33	63	11684	0.561	ug/L #	91
44) trans-1,3-Dichloropropene	7.85	75	1914	0.089	ug/L	92
48) 2-Hexanone	8.37	43	16414	1.822	ug/L #	48
59) 1,2,3-Trichloropropane	11.49	75	11153	0.958	ug/L	90

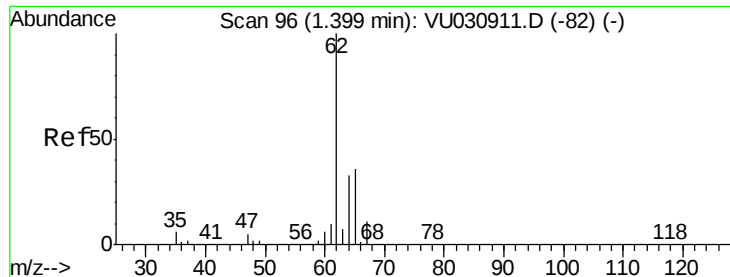
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Apr 09 01:11:42 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 5.402 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU030927.D

Acq: 09 Apr 2019 00:12

Instrument :

MSVOA_U

ClientSampled :

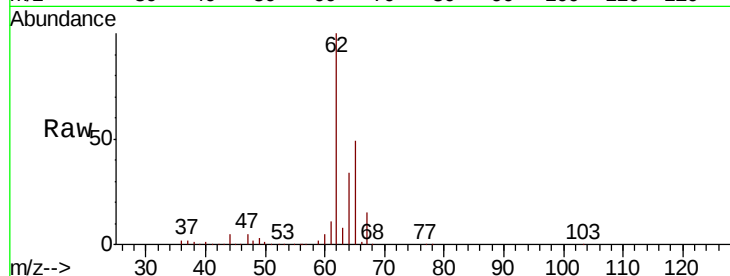
E3YC3

Tot Ion: 62 Resp: 145927

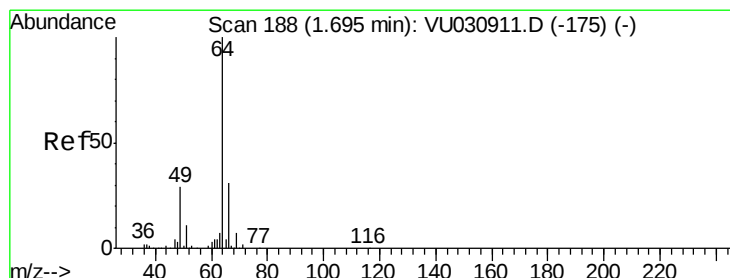
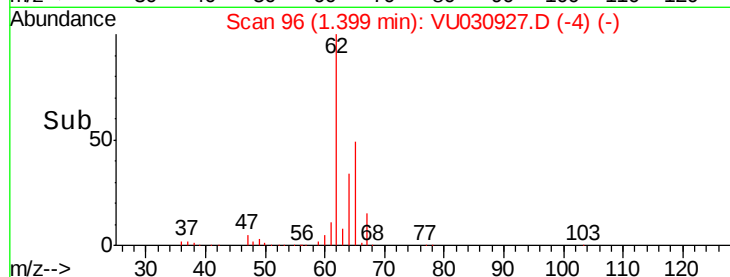
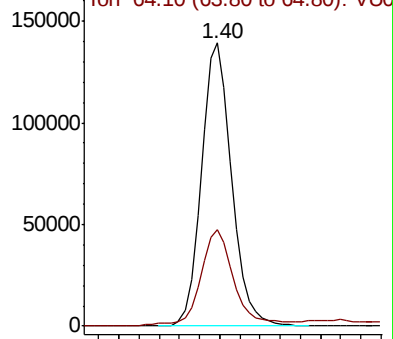
Ion Ratio Lower Upper

62 100

64 33.9 22.5 41.9



Abundance Ion 62.00 (61.70 to 62.70): VU030927.D (-82) (-)



#8

Chloroethane

Concen: 43.886 ug/L

RT: 1.69 min Scan# 188

Delta R.T. -0.01 min

Lab File: VU030927.D

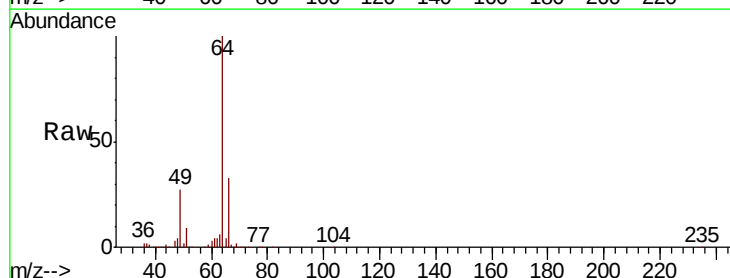
Acq: 09 Apr 2019 00:12

Tgt Ion: 64 Resp: 674414

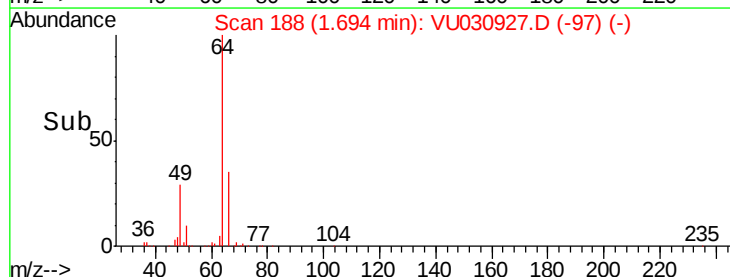
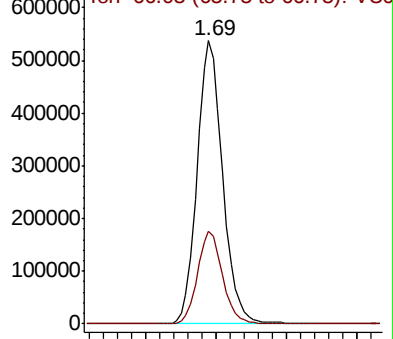
Ion Ratio Lower Upper

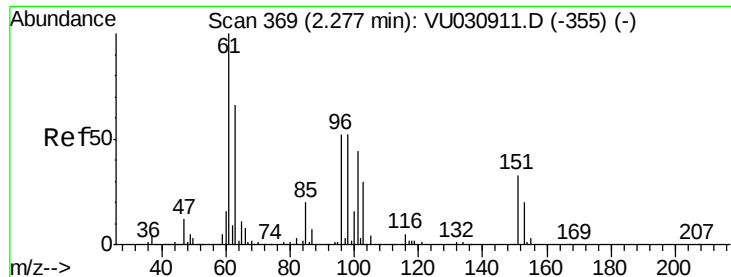
64 100

66 32.5 22.1 41.1



Abundance Ion 64.10 (63.80 to 64.80): VU030927.D (-175) (-)





#12

1,1-Dichloroethene

Concen: 0.185 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU030927.D

Acq: 09 Apr 2019 00:12

Instrument :

MSVOA_U

ClientSampleId :

E3YC3

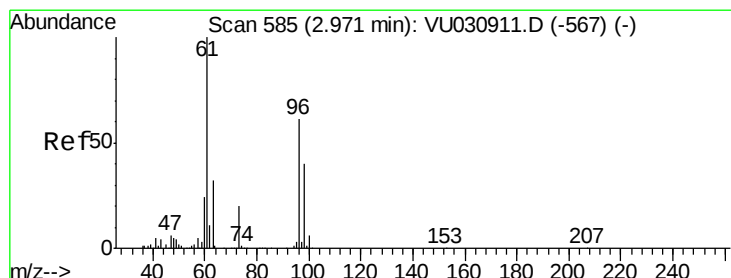
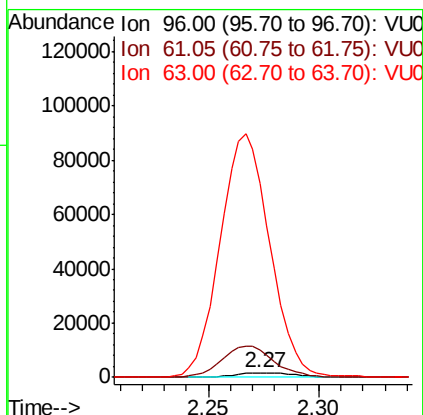
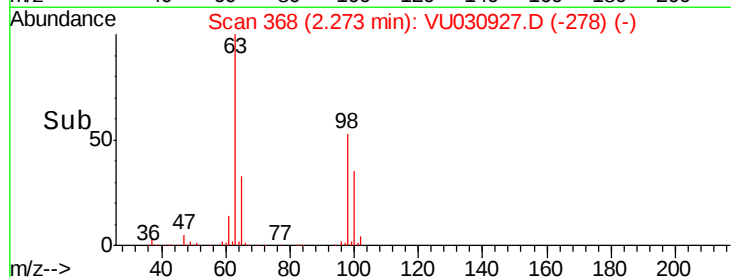
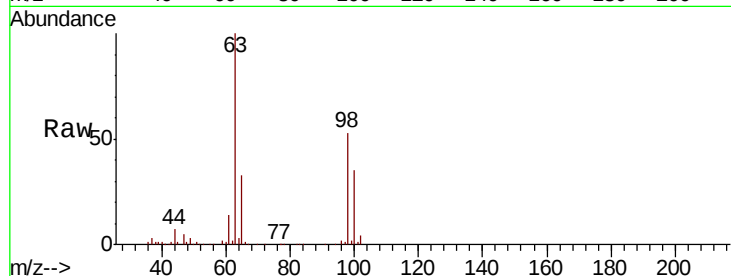
Tot Ion: 96 Resp: 3051

Ion Ratio Lower Upper

96 100

61 626.1 136.9 254.3#

63 4402.5 107.7 200.1#



#18

trans-1,2-Dichloroethene

Concen: 0.274 ug/L

RT: 2.97 min Scan# 586

Delta R.T. -0.01 min

Lab File: VU030927.D

Acq: 09 Apr 2019 00:12

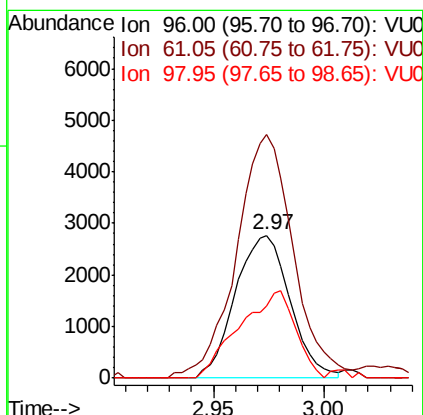
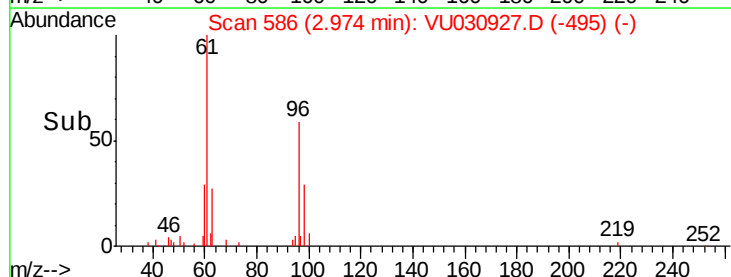
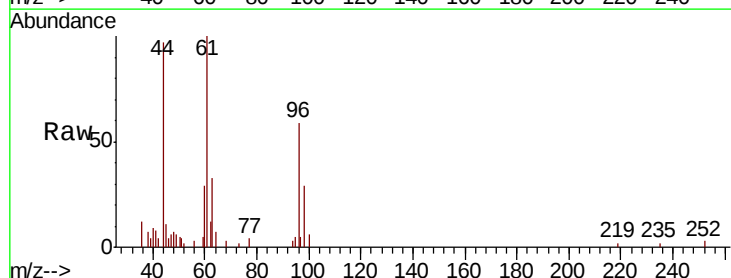
Tgt Ion: 96 Resp: 4762

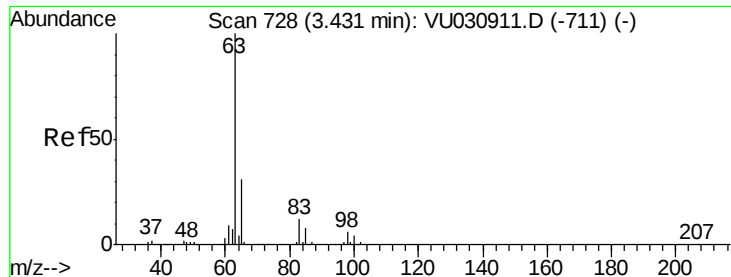
Ion Ratio Lower Upper

96 100

61 170.5 116.8 216.8

98 50.3 46.8 87.0





#19

1,1-Dichloroethane

Concen: 6.233 ug/L

RT: 3.43 min Scan# 729

Delta R.T. -0.01 min

Lab File: VU030927.D

Acq: 09 Apr 2019 00:12

Instrument :

MSVOA_U

ClientSampleId :

E3YC3

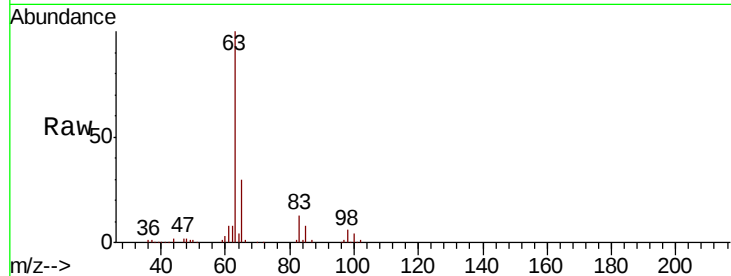
Tot Ion: 63 Resp: 229313

Ion Ratio Lower Upper

63 100

65 30.4 21.6 40.0

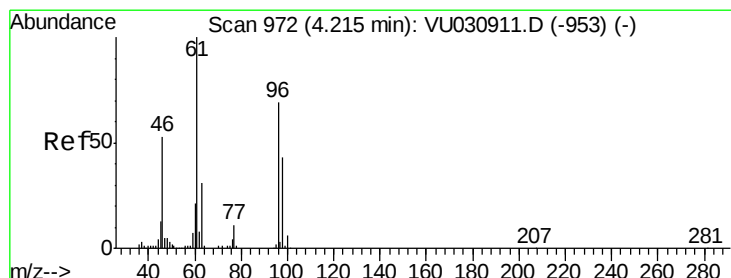
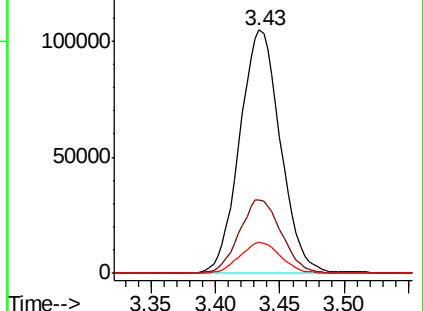
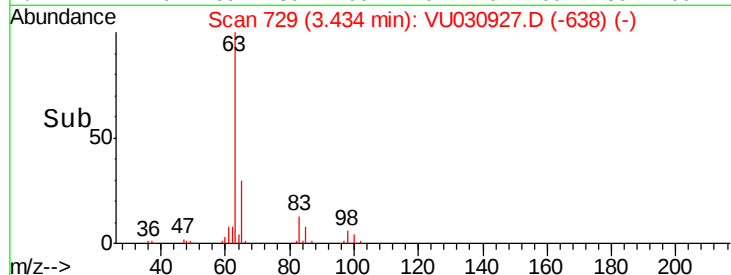
83 12.7 9.1 16.9



Abundance Ion 63.10 (62.80 to 63.80): VU030927.D (-638) (-)

Ion 65.10 (64.80 to 65.80): VU030927.D (-638) (-)

Ion 83.05 (82.75 to 83.75): VU030927.D (-638) (-)



#22

cis-1,2-Dichloroethene

Concen: 7.259 ug/L

RT: 4.22 min Scan# 972

Delta R.T. -0.01 min

Lab File: VU030927.D

Acq: 09 Apr 2019 00:12

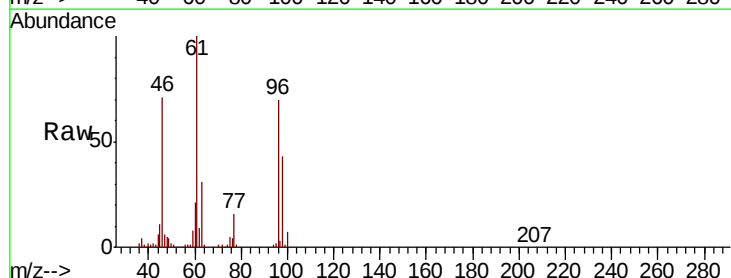
Tgt Ion: 96 Resp: 134626

Ion Ratio Lower Upper

96 100

61 143.5 98.9 183.7

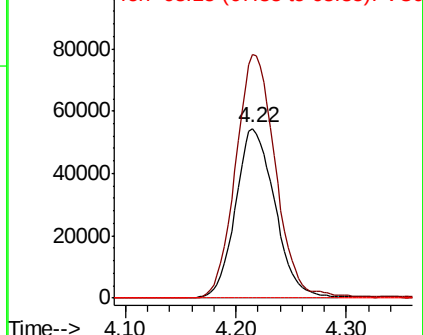
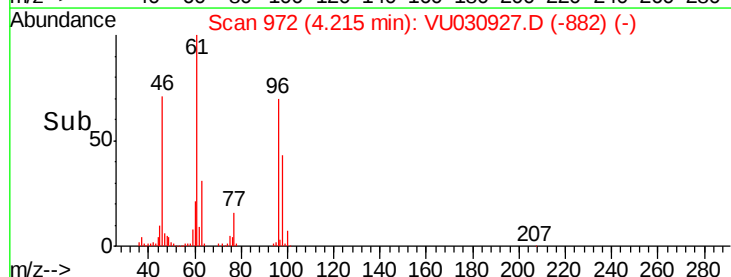
68 0.0 0.0 0.0

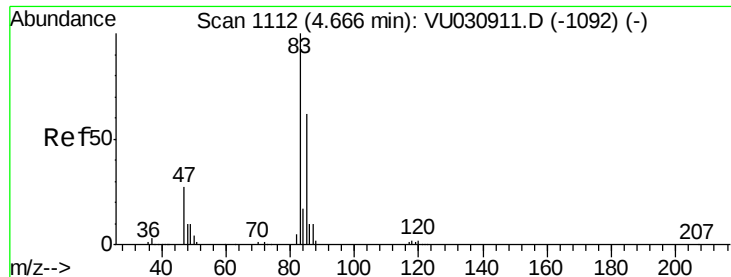


Abundance Ion 96.00 (95.70 to 96.70): VU030927.D (-882) (-)

Ion 61.05 (60.75 to 61.75): VU030927.D (-882) (-)

Ion 68.15 (67.85 to 68.85): VU030927.D (-882) (-)

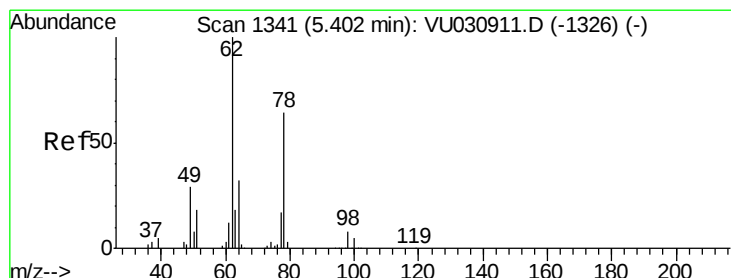
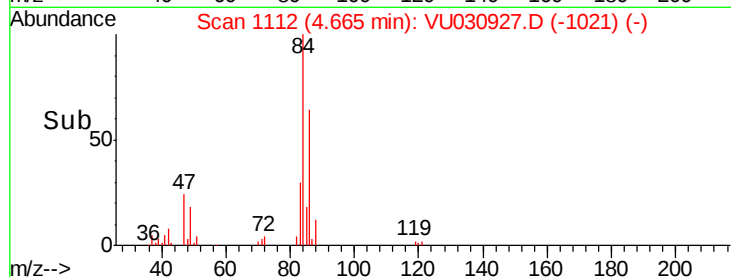
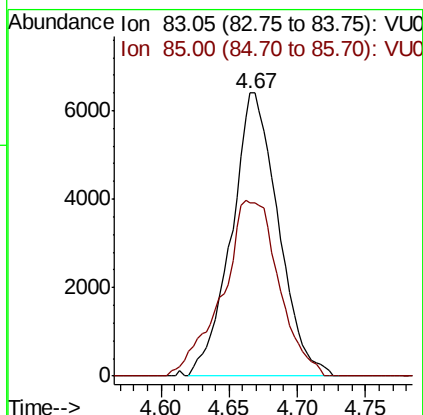
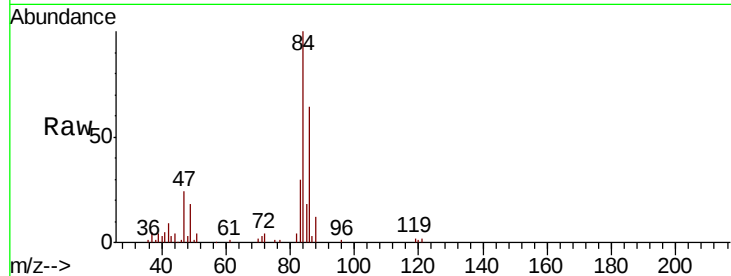




#25
Chloroform
Concen: 0.455 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VU030927.D
Acq: 09 Apr 2019 00:12

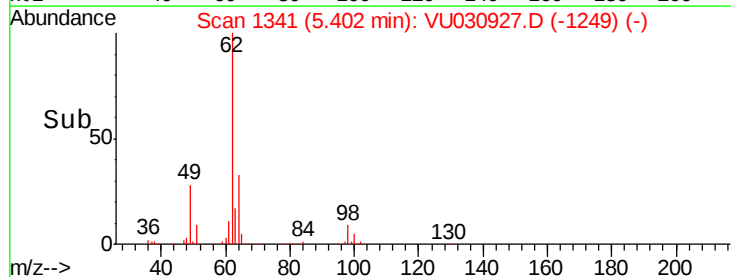
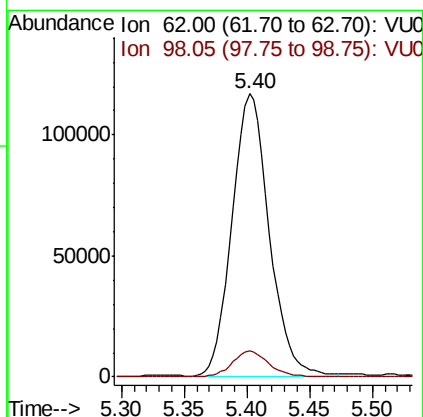
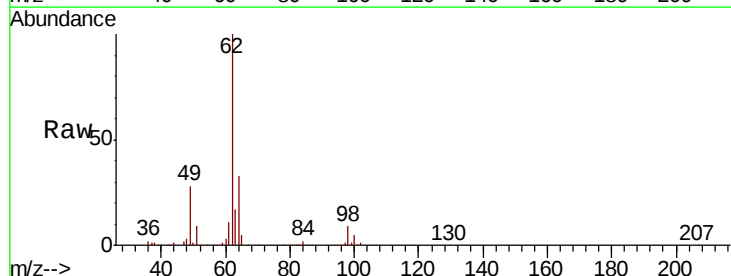
Instrument :
MSVOA_U
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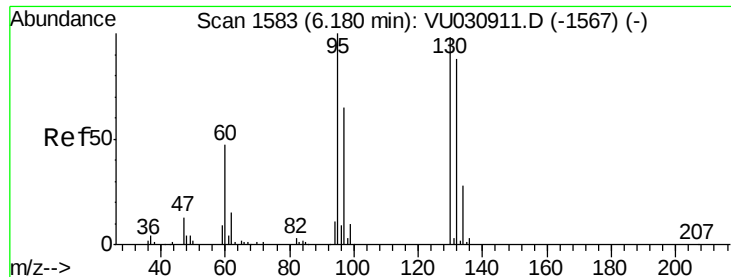
Tot Ion: 83 Resp: 15262
Ion Ratio Lower Upper
83 100
85 61.1 44.2 82.2



#27
1,2-Dichloroethane
Concen: 11.071 ug/L
RT: 5.40 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VU030927.D
Acq: 09 Apr 2019 00:12

Tgt Ion: 62 Resp: 240915
Ion Ratio Lower Upper
62 100
98 9.2 7.4 11.2





#34

Trichloroethene

Concen: 0.137 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU030927.D

Acq: 09 Apr 2019 00:12

Instrument :

MSVOA_U

ClientSampleId :

E3YC3

Tot Ion: 95 Resp: 2594

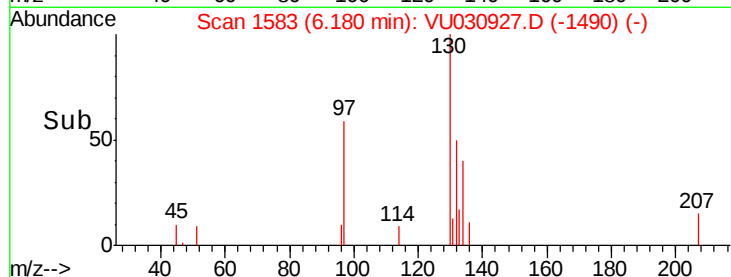
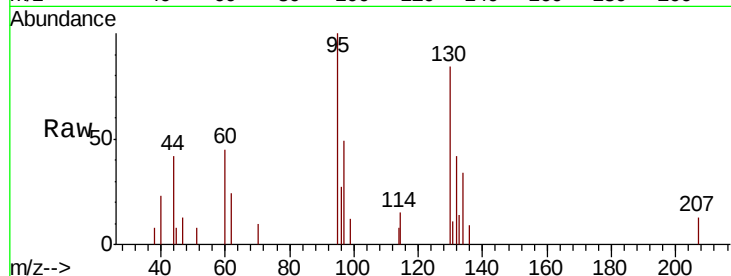
Ion Ratio Lower Upper

95 100

97 49.0 43.5 80.9

132 42.2 60.7 112.7#

130 83.7 65.1 120.9

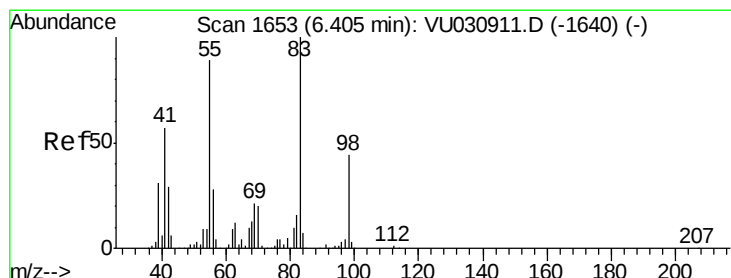
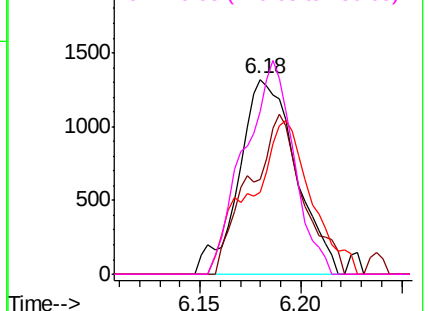


Abundance Ion 95.00 (94.70 to 95.70): VU030927.D (-1490) (-)

Ion 96.95 (96.65 to 97.65): VU030927.D (-1490) (-)

Ion 131.95 (131.65 to 132.65): VU030927.D (-1490) (-)

Ion 129.95 (129.65 to 130.65): VU030927.D (-1490) (-)



#35

Methylcyclohexane

Concen: 0.853 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.08 min

Lab File: VU030927.D

Acq: 09 Apr 2019 00:12

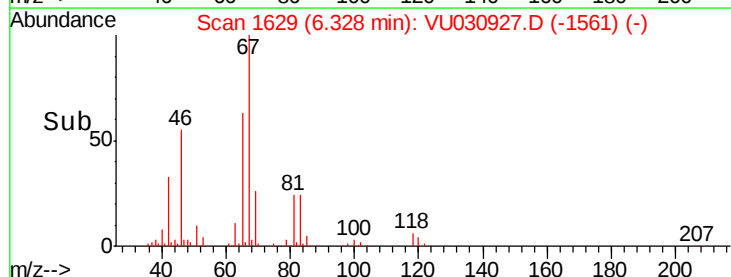
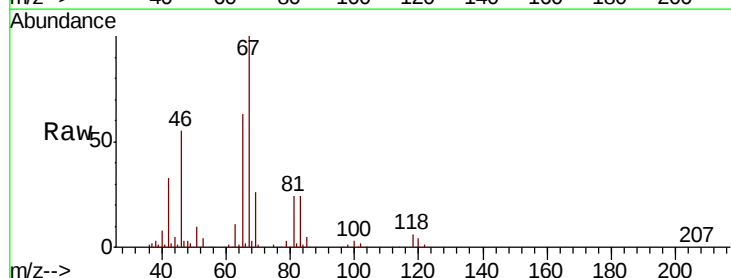
Tgt Ion: 83 Resp: 25803

Ion Ratio Lower Upper

83 100

55 0.2 72.6 108.8#

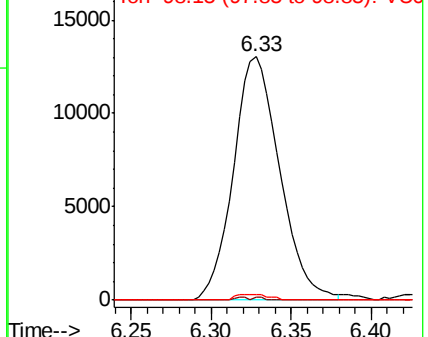
98 0.0 35.0 52.6#

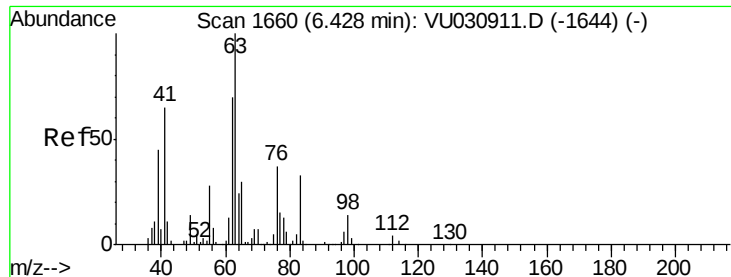


Abundance Ion 83.15 (82.85 to 83.85): VU030927.D (-1561) (-)

Ion 55.10 (54.80 to 55.80): VU030927.D (-1561) (-)

Ion 98.15 (97.85 to 98.85): VU030927.D (-1561) (-)





#37

1,2-Dichloropropane

Concen: 0.561 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.10 min

Lab File: VU030927.D

Acq: 09 Apr 2019 00:12

Instrument :

MSVOA_U

ClientSampled :

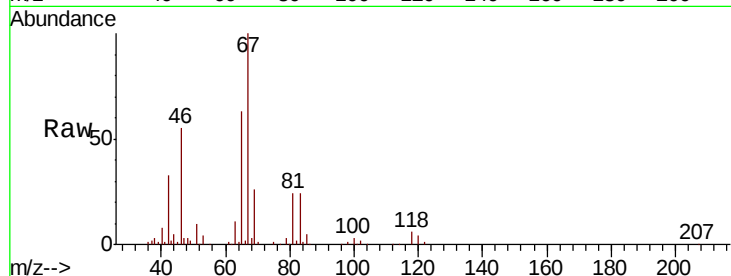
E3YC3

Tot Ion: 63 Resp: 11684

Ion Ratio Lower Upper

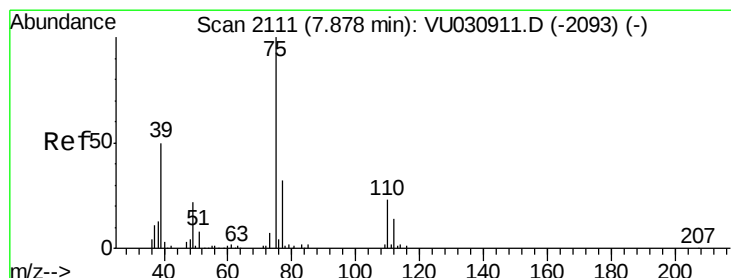
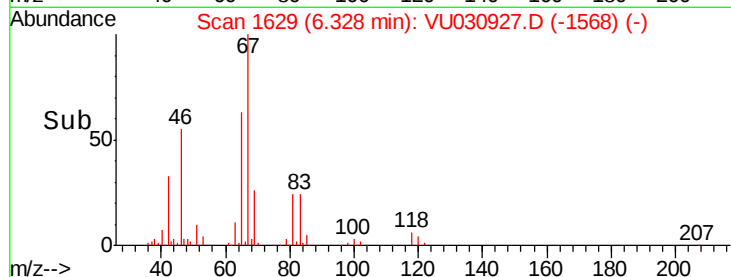
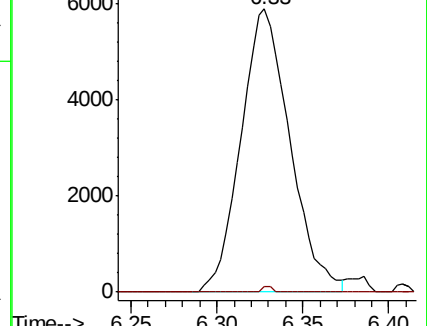
63 100

112 0.4 2.8 4.2#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V



#44

trans-1,3-Dichloropropene

Concen: 0.089 ug/L

RT: 7.85 min Scan# 2103

Delta R.T. -0.03 min

Lab File: VU030927.D

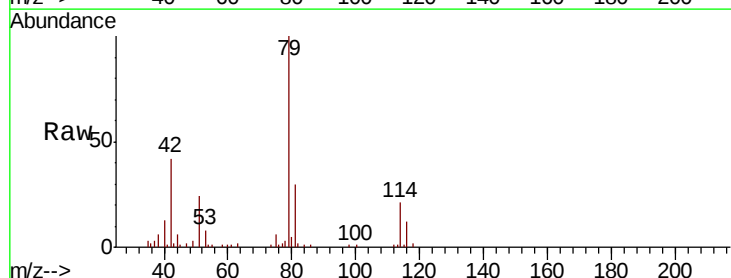
Acq: 09 Apr 2019 00:12

Tgt Ion: 75 Resp: 1914

Ion Ratio Lower Upper

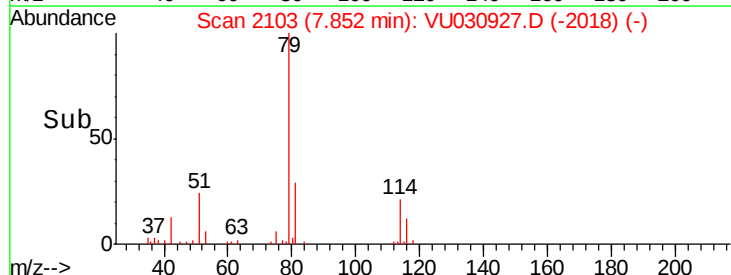
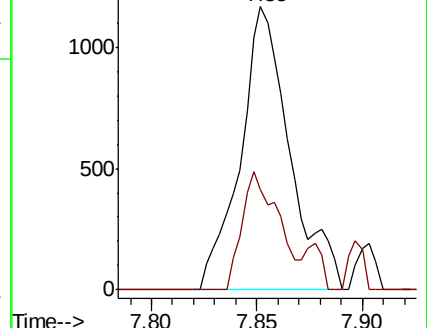
75 100

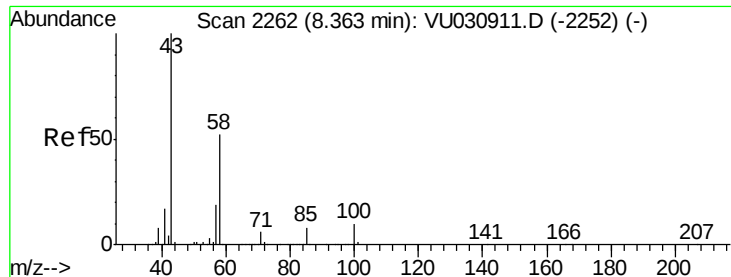
77 35.4 21.6 40.0



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

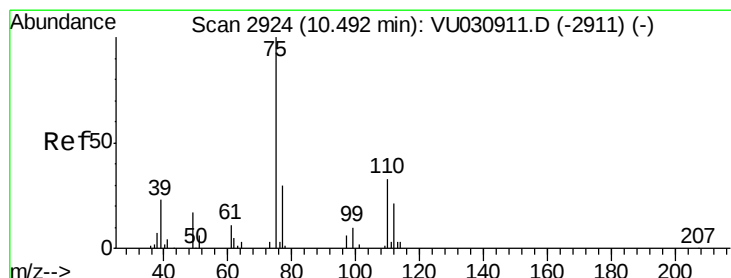
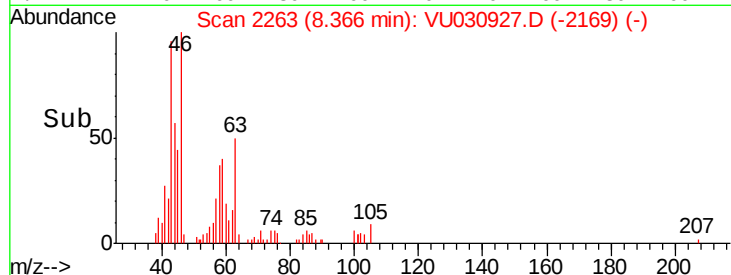
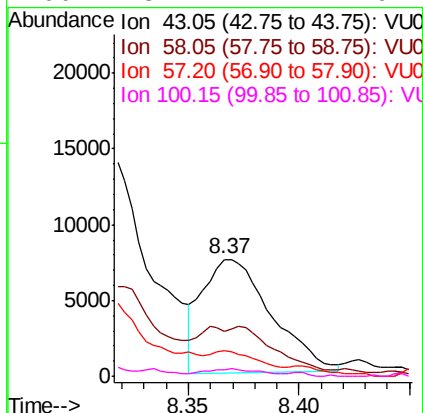
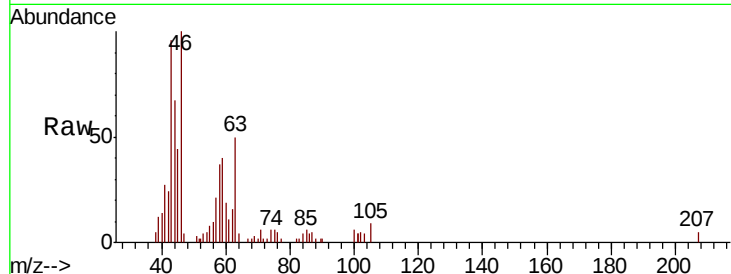




#48
2-Hexanone
Concen: 1.822 ug/L
RT: 8.37 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VU030927.D
Acq: 09 Apr 2019 00:12

Instrument :
MSVOA_U
ClientSampleId :
E3YC3

Tot Ion: 43 Resp: 16414
Ion Ratio Lower Upper
43 100
58 3.5 42.5 63.7#
57 9.6 13.9 20.9#
100 5.7 7.1 10.7#



#59
1,2,3-Trichloropropane
Concen: 0.958 ug/L
RT: 11.49 min Scan# 3233
Delta R.T. 0.99 min
Lab File: VU030927.D
Acq: 09 Apr 2019 00:12

Tgt Ion: 75 Resp: 11153
Ion Ratio Lower Upper
75 100
77 37.4 25.6 38.4

