

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041019\
 Data File : VU030926.D
 Acq On : 08 Apr 2019 23:47
 Operator : JC/SP
 Sample : K2248-13
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YC1

Quant Time: Apr 09 01:18:09 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	215245	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	219846	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	86864	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	87743	5.33	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	106.60%
7) Chloroethane-d5	1.68	69	78386	5.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	118.20%
11) 1,1-Dichloroethene-d2	2.27	63	138611	4.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.40%
20) 2-Butanone-d5	4.19	46	307331	72.51	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	145.02%#
24) Chloroform-d	4.64	84	152870	5.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.60%
26) 1,2-Dichloroethane-d4	5.31	65	97468	6.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	131.60%#
32) Benzene-d6	5.33	84	302651	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.60%
36) 1,2-Dichloropropane-d6	6.33	67	108737	5.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	112.00%
41) Toluene-d8	7.56	98	240352	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.00%
43) trans-1,3-Dichloropropene-	7.85	79	35844	4.97	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.40%
46) 2-Hexanone-d5	8.31	63	185177	59.05	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	118.10%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	92014	6.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	132.40%#
64) 1,2-Dichlorobenzene-d4	11.86	152	83734	5.76	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	115.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.27	96	4046	0.258	ug/L #	1
13) Acetone	2.32	43	22982	7.013	ug/L	93
17) Methyl tert-butyl Ether	3.00	73	8751	0.208	ug/L	97
18) trans-1,2-Dichloroethene	2.97	96	3702	0.223	ug/L	96
19) 1,1-Dichloroethane	3.44	63	12307	0.351	ug/L	99
22) cis-1,2-Dichloroethene	4.22	96	26813	1.516	ug/L	81
25) Chloroform	4.67	83	26441	0.827	ug/L	88
29) 1,1,1-Trichloroethane	4.91	97	30823	1.101	ug/L	98
31) Carbon tetrachloride	4.91	117	3623	0.154	ug/L #	62
34) Trichloroethene	6.18	95	27231	1.463	ug/L	93
35) Methylcyclohexane	6.33	83	23845	0.803	ug/L #	14
37) 1,2-Dichloropropane	6.32	63	11683	0.571	ug/L #	90
47) Tetrachloroethene	8.22	164	24145	1.849	ug/L	97
48) 2-Hexanone	8.37	43	16132	1.824	ug/L #	84
49) Dibromochloromethane	8.22	129	24576	1.684	ug/L #	13
59) 1,2,3-Trichloropropane	11.48	75	11013	0.963	ug/L	91

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Response via : Initial Calibration

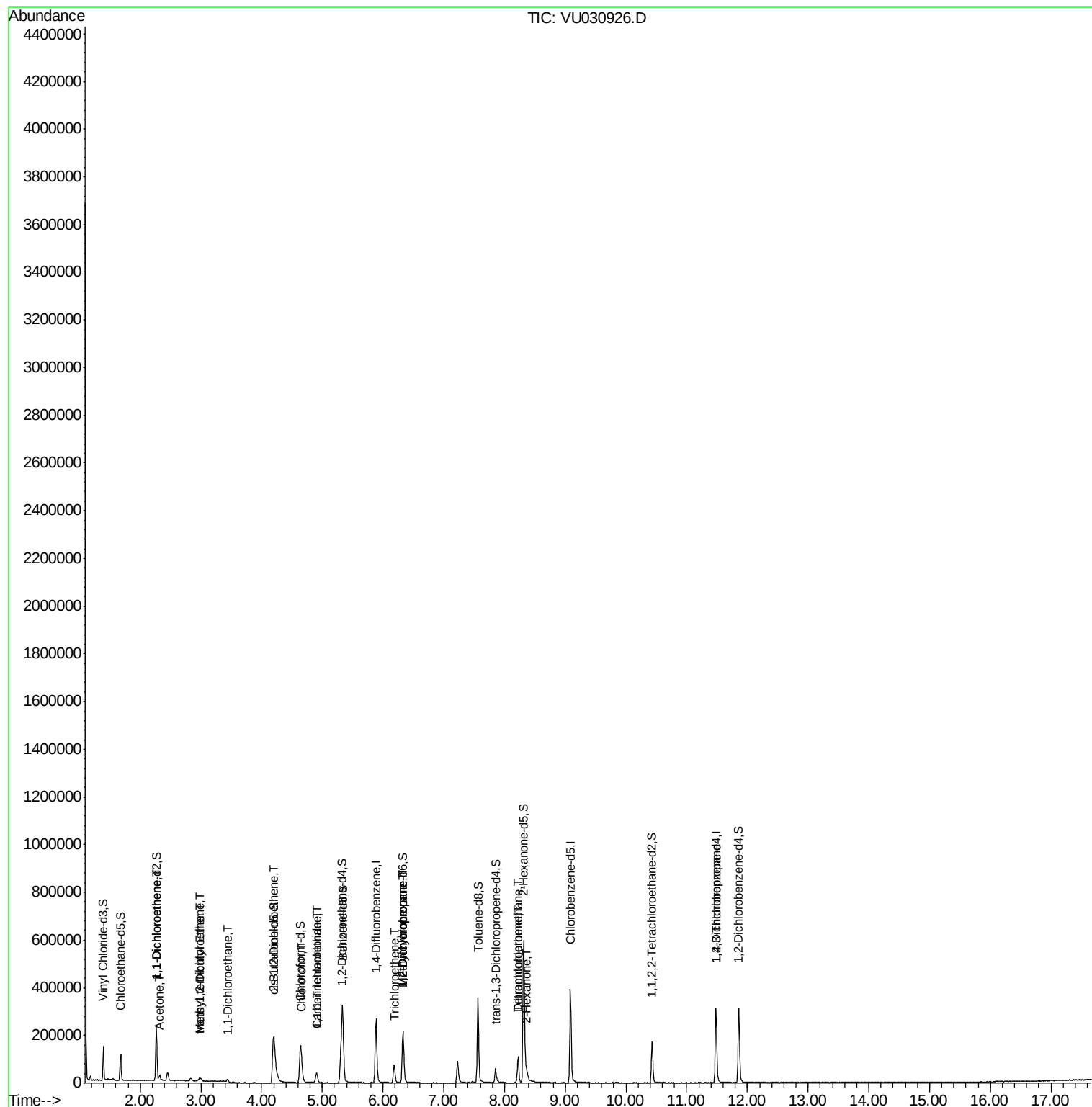
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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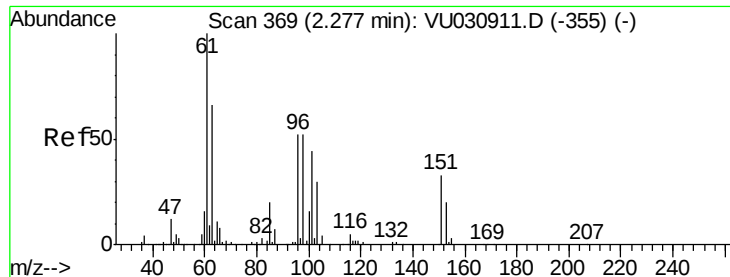
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.258 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU030926.D

Acq: 08 Apr 2019 23:47

Instrument :

MSVOA_U

ClientSampleId :

E3YC1

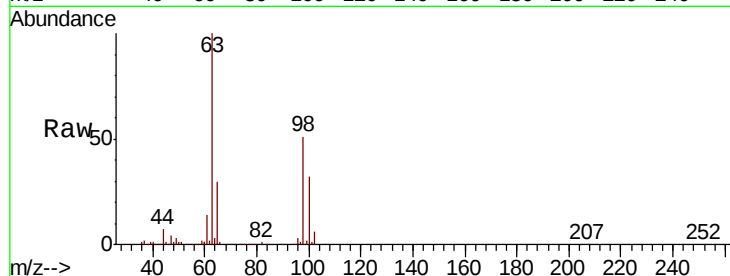
Tot Ion: 96 Resp: 4046

Ion Ratio Lower Upper

96 100

61 480.3 136.9 254.3#

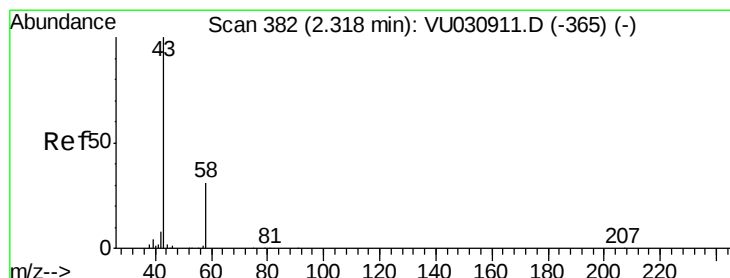
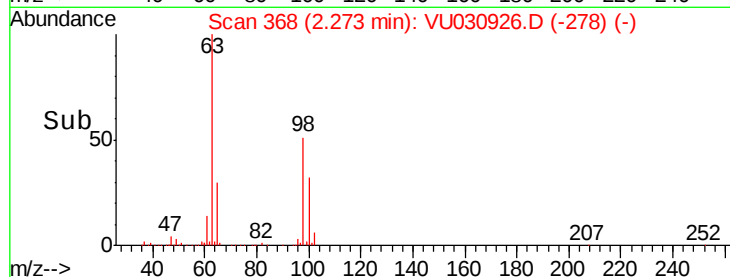
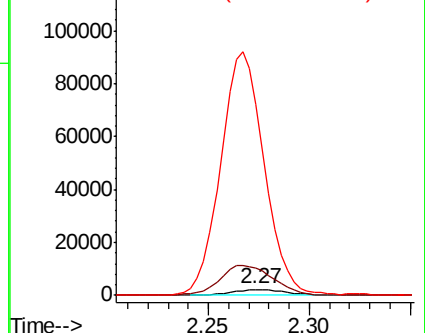
63 3410.2 107.7 200.1#



Abundance Ion 96.00 (95.70 to 96.70): VU030926.D (-278) (-)

Ion 61.05 (60.75 to 61.75): VU030926.D (-278) (-)

Ion 63.00 (62.70 to 63.70): VU030926.D (-278) (-)



#13

Acetone

Concen: 7.013 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.04 min

Lab File: VU030926.D

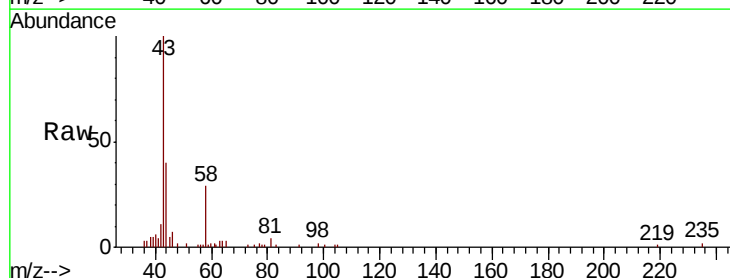
Acq: 08 Apr 2019 23:47

Tgt Ion: 43 Resp: 22982

Ion Ratio Lower Upper

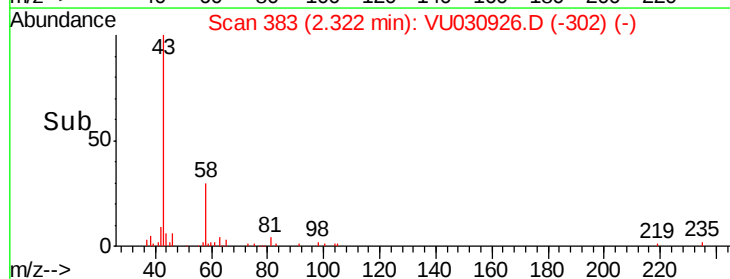
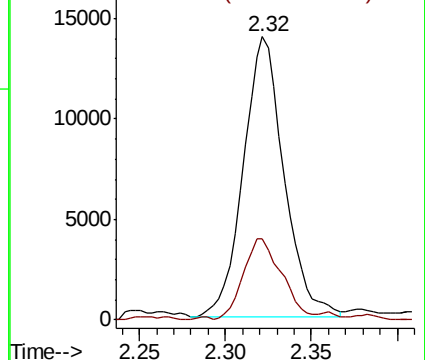
43 100

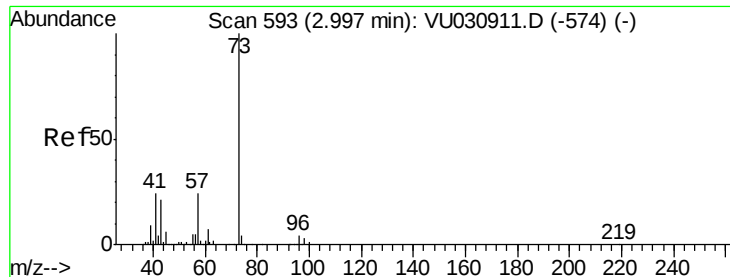
58 27.7 0.0 62.8



Abundance Ion 43.05 (42.75 to 43.75): VU030926.D (-302) (-)

Ion 58.05 (57.75 to 58.75): VU030926.D (-302) (-)

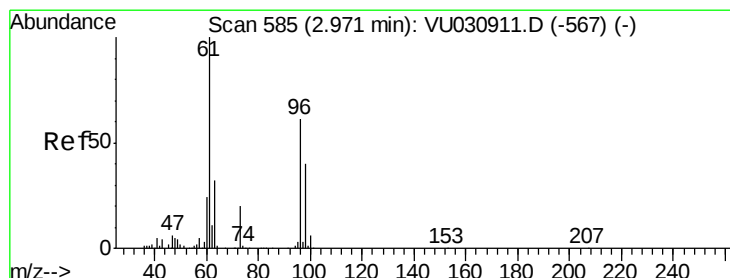
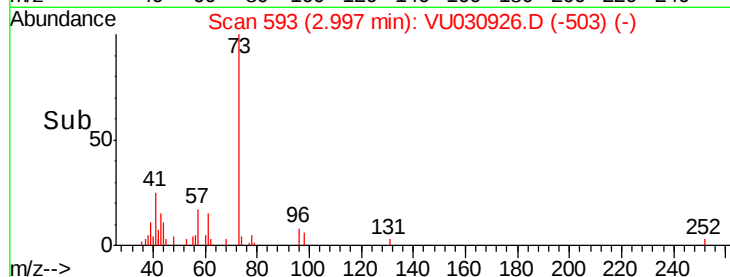
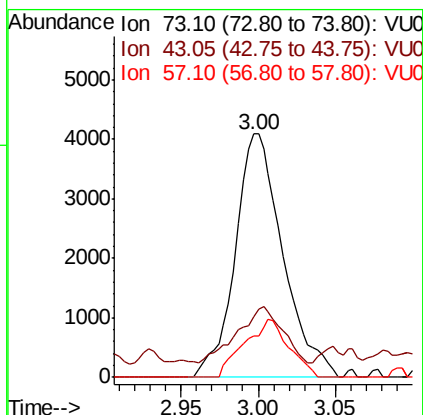
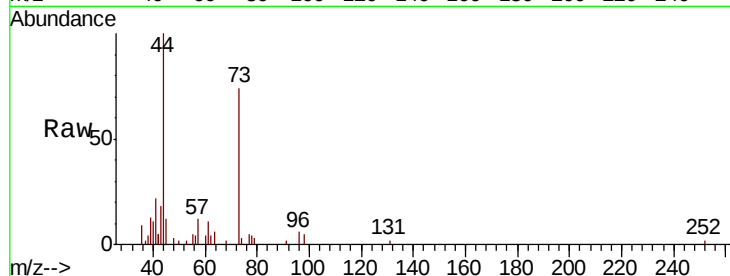




#17
Methvl tert-butvl Ether
Concen: 0.208 ug/L
RT: 3.00 min Scan# 593
Delta R.T. -0.01 min
Lab File: VU030926.D
Acq: 08 Apr 2019 23:47

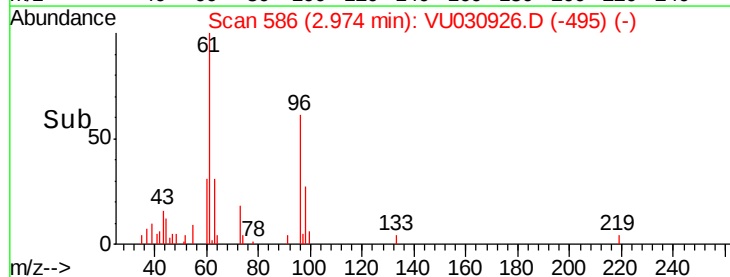
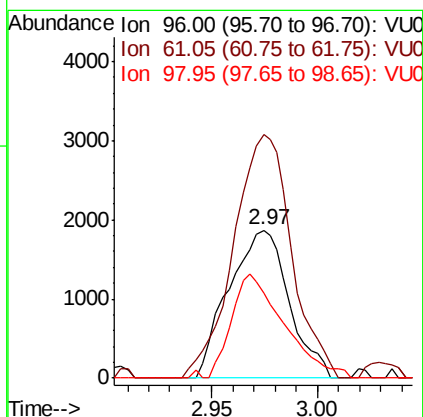
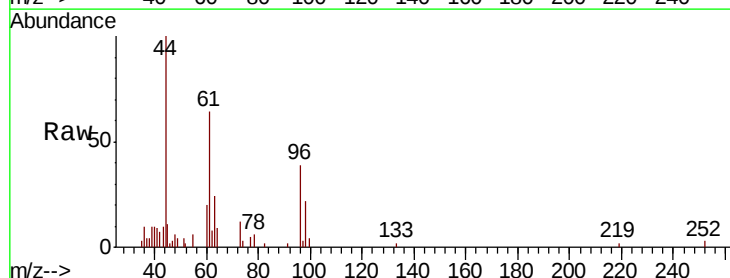
Instrument :
MSVOA_U
ClientSampled :
E3YC1

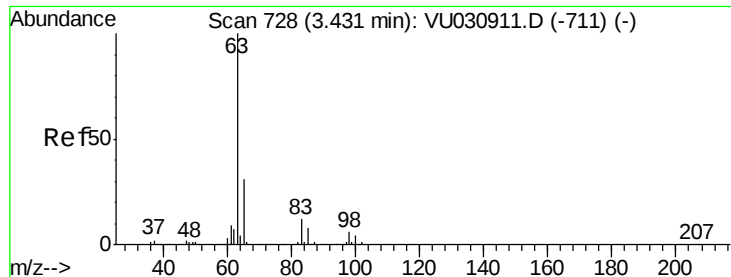
Tot Ion: 73 Resp: 8751
Ion Ratio Lower Upper
73 100
43 21.8 17.0 25.4
57 22.1 19.4 29.2



#18
trans-1,2-Dichloroethene
Concen: 0.223 ug/L
RT: 2.97 min Scan# 586
Delta R.T. -0.01 min
Lab File: VU030926.D
Acq: 08 Apr 2019 23:47

Tgt Ion: 96 Resp: 3702
Ion Ratio Lower Upper
96 100
61 164.8 116.8 216.8
98 57.4 46.8 87.0

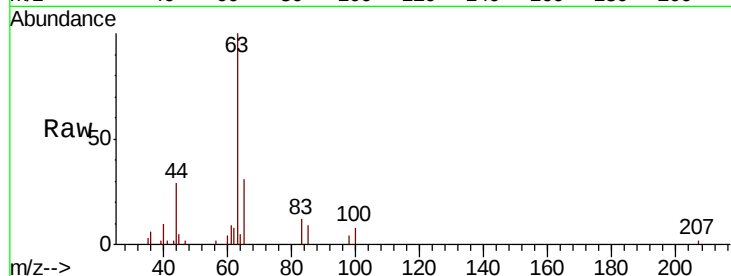




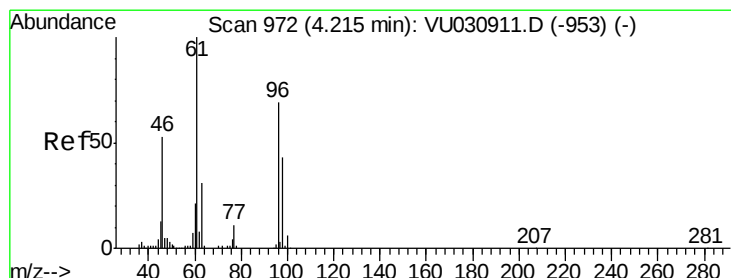
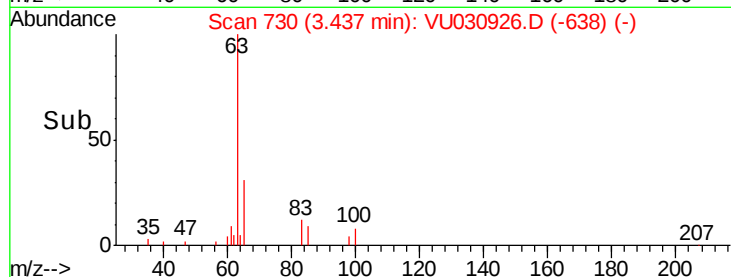
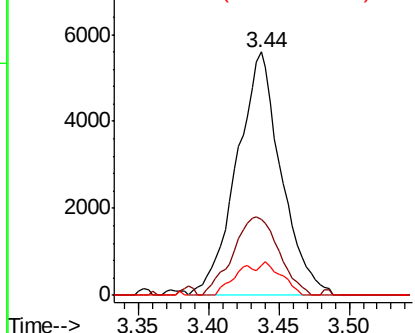
#19
 1,1-Dichloroethane
 Concen: 0.351 ug/L
 RT: 3.44 min Scan# 730
 Delta R.T. -0.00 min
 Lab File: VU030926.D
 Acq: 08 Apr 2019 23:47

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YC1

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.4	21.6	40.0
83	12.4	9.1	16.9

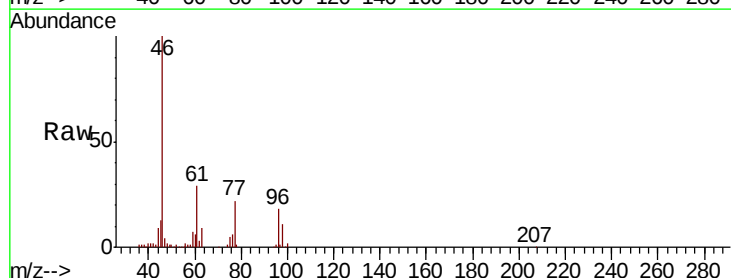


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

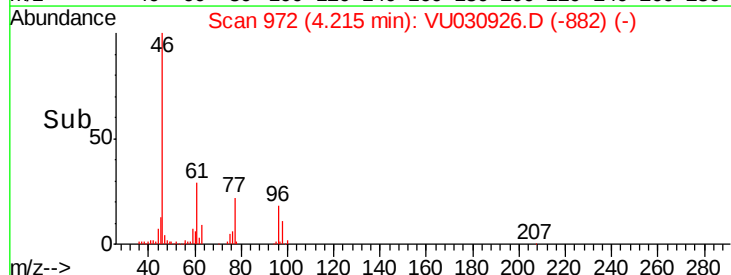
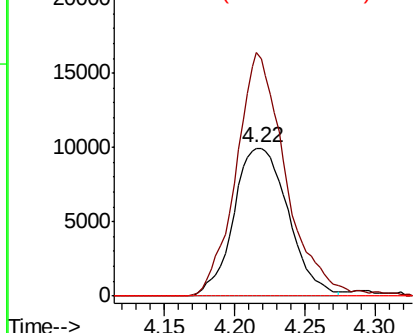


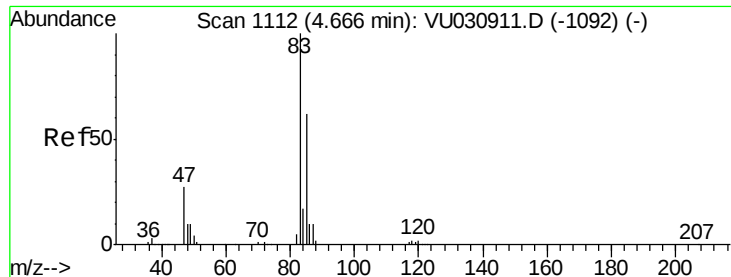
#22
 cis-1,2-Dichloroethene
 Concen: 1.516 ug/L
 RT: 4.22 min Scan# 972
 Delta R.T. -0.01 min
 Lab File: VU030926.D
 Acq: 08 Apr 2019 23:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.7	98.9	183.7
68	0.0	0.0	0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

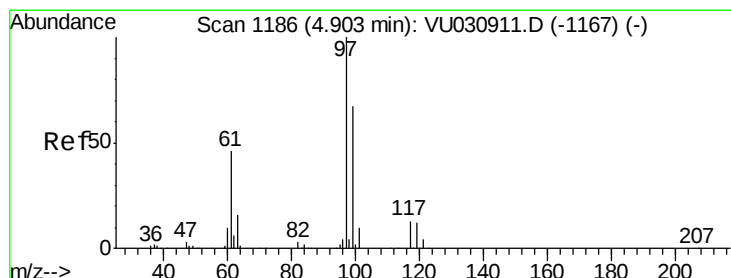
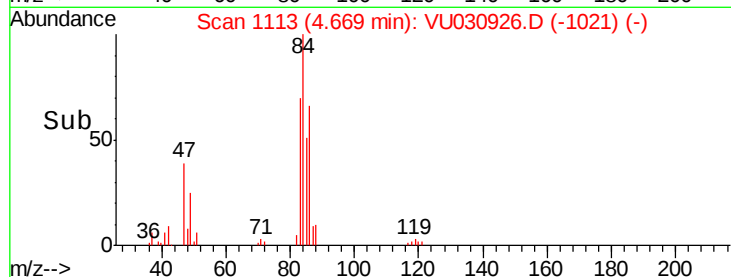
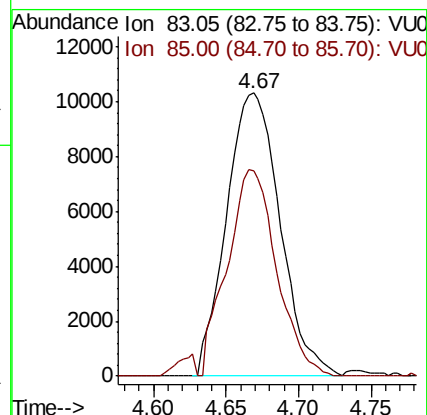
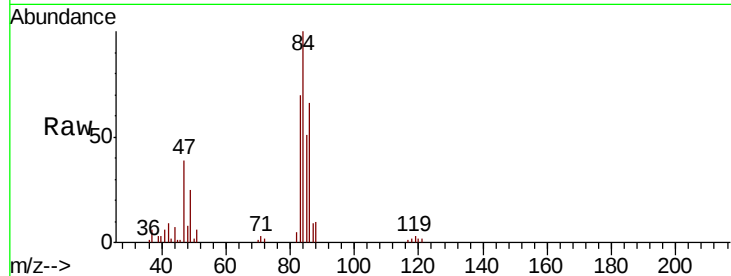




#25
Chloroform
Concen: 0.827 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VU030926.D
Acq: 08 Apr 2019 23:47

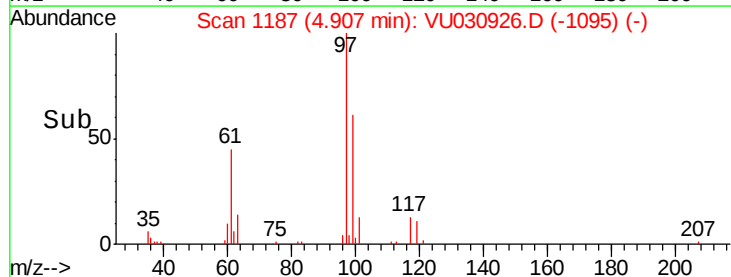
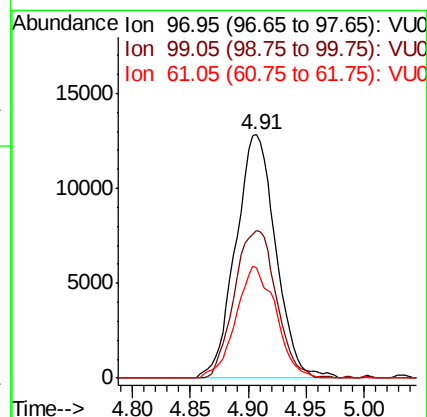
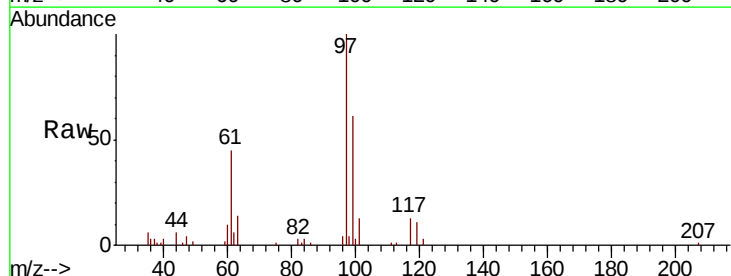
Instrument :
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ClientSampleId :
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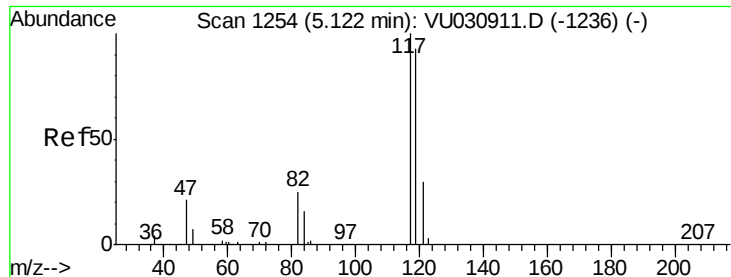
Tot Ion: 83 Resp: 26441
Ion Ratio Lower Upper
83 100
85 72.6 44.2 82.2



#29
1,1,1-Trichloroethane
Concen: 1.101 ug/L
RT: 4.91 min Scan# 1187
Delta R.T. -0.00 min
Lab File: VU030926.D
Acq: 08 Apr 2019 23:47

Tgt Ion: 97 Resp: 30823
Ion Ratio Lower Upper
97 100
99 63.2 51.8 77.6
61 45.7 38.1 57.1





#31

Carbon tetrachloride

Concen: 0.154 ug/L

RT: 4.91 min Scan# 1188

Delta R.T. -0.22 min

Lab File: VU030926.D

Acq: 08 Apr 2019 23:47

Instrument :

MSVOA_U

ClientSampleId :

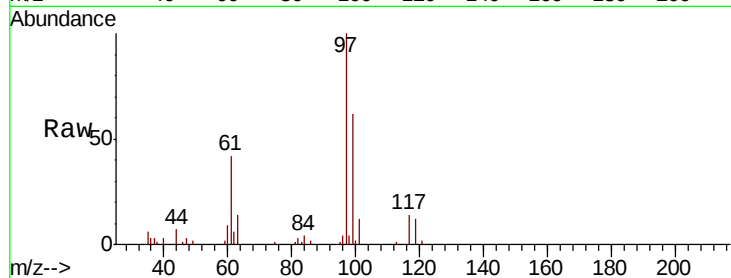
E3YC1

Tot Ion:117 Resp: 3623

Ion Ratio Lower Upper

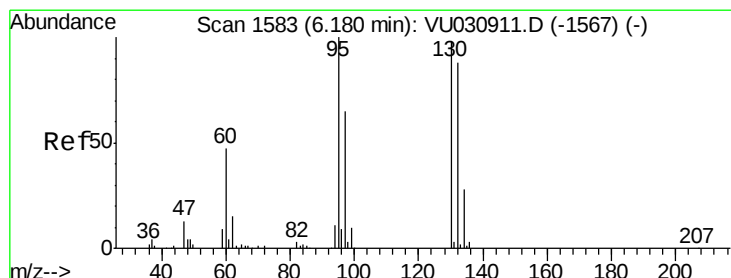
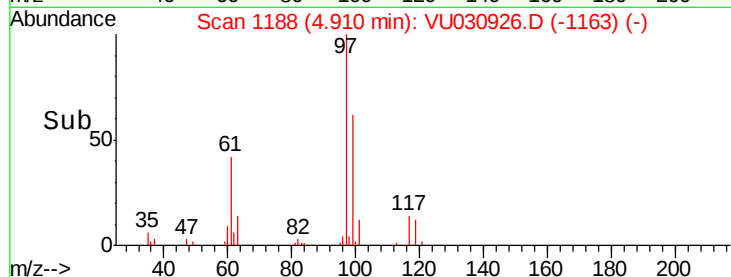
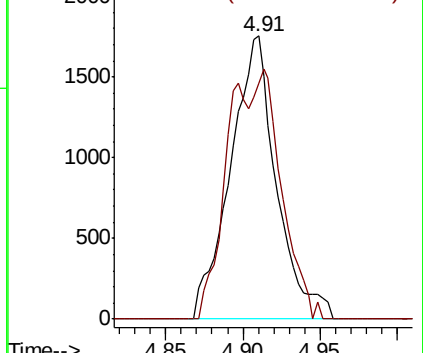
117 100

119 56.3 73.7 110.5#



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#34

Trichloroethene

Concen: 1.463 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU030926.D

Acq: 08 Apr 2019 23:47

Tgt Ion: 95 Resp: 27231

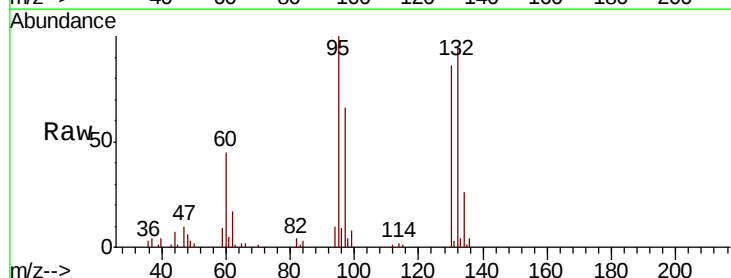
Ion Ratio Lower Upper

95 100

97 66.5 43.5 80.9

132 94.3 60.7 112.7

130 86.2 65.1 120.9

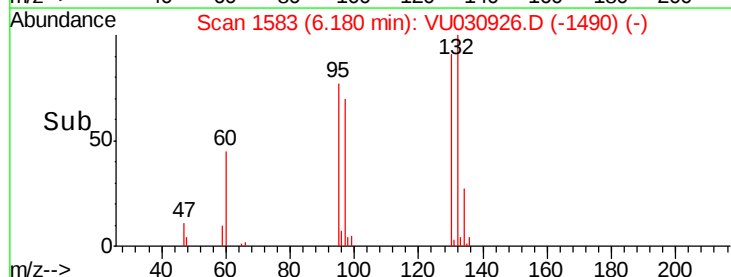
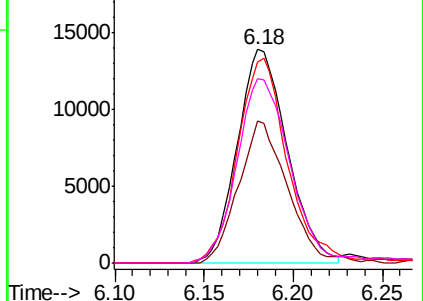


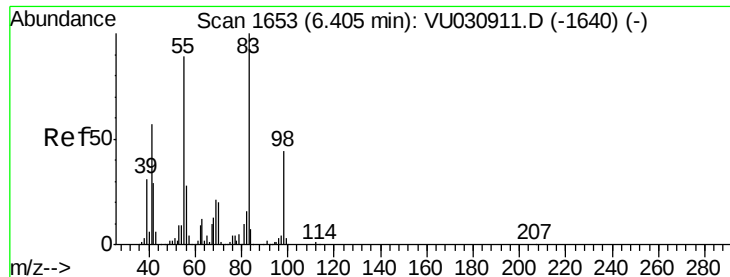
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V





#35

Methylcyclohexane

Concen: 0.803 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.08 min

Lab File: VU030926.D

Acq: 08 Apr 2019 23:47

Instrument :

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ClientSampleId :

E3YC1

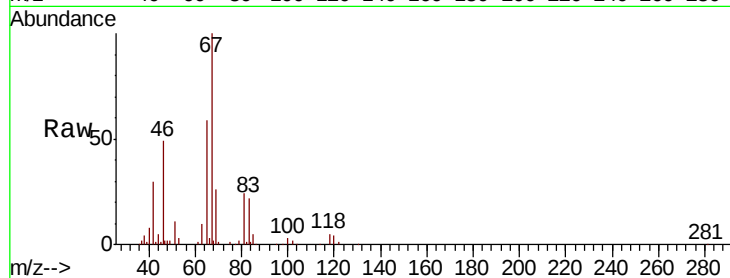
Tot Ion: 83 Resp: 23845

Ion Ratio Lower Upper

83 100

55 0.5 72.6 108.8#

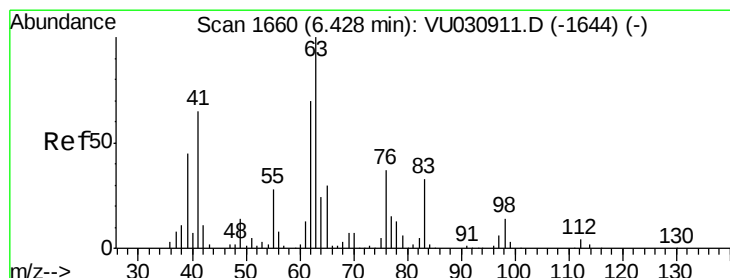
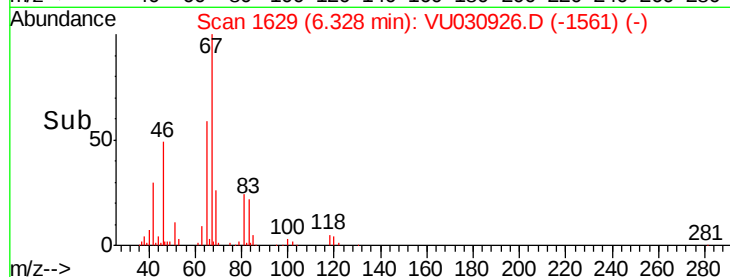
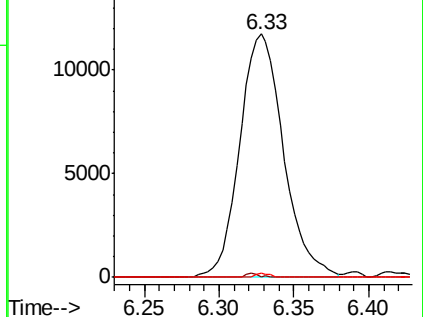
98 0.5 35.0 52.6#



Abundance Ion 83.15 (82.85 to 83.85): VU030911.D (-1640) (-)

Ion 55.10 (54.80 to 55.80): VU030911.D (-1640) (-)

Ion 98.15 (97.85 to 98.85): VU030911.D (-1640) (-)



#37

1,2-Dichloropropane

Concen: 0.571 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.11 min

Lab File: VU030926.D

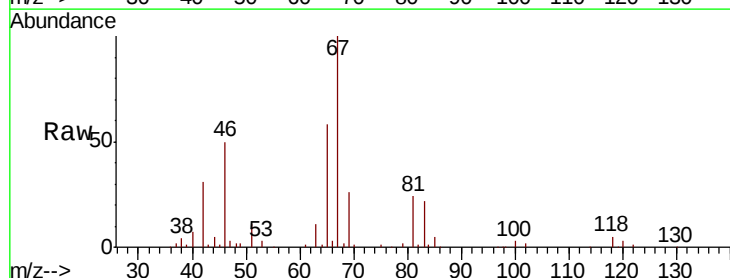
Acq: 08 Apr 2019 23:47

Tgt Ion: 63 Resp: 11683

Ion Ratio Lower Upper

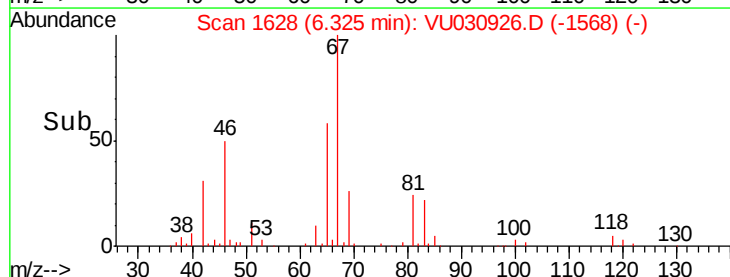
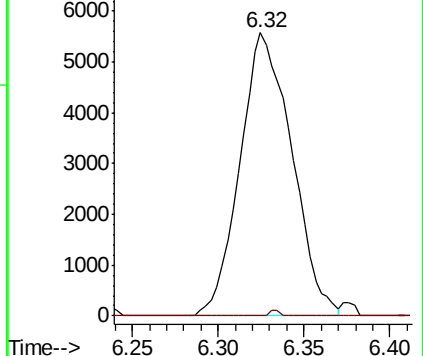
63 100

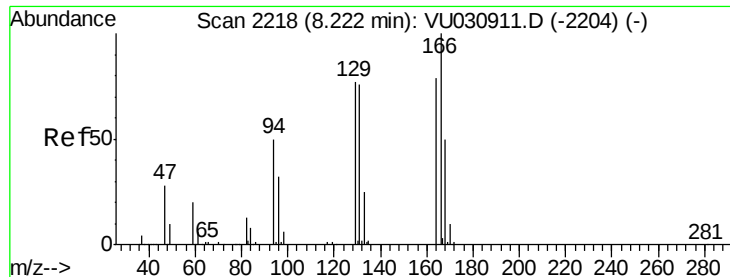
112 0.4 2.8 4.2#



Abundance Ion 63.10 (62.80 to 63.80): VU030911.D (-1644) (-)

Ion 112.10 (111.80 to 112.80): VU030911.D (-1644) (-)





#47

Tetrachloroethene

Concen: 1.849 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU030926.D

Acq: 08 Apr 2019 23:47

Instrument :

MSVOA_U

ClientSampled :

E3YC1

Tot Ion:164 Resp: 24145

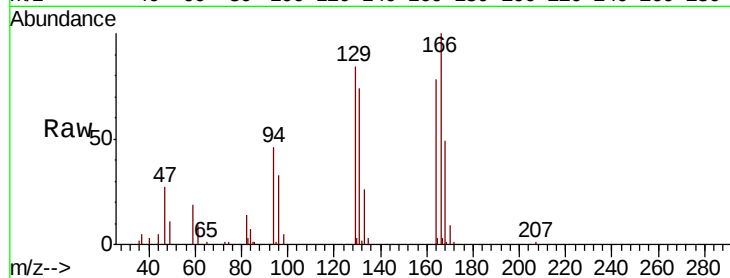
Ion Ratio Lower Upper

164 100

129 106.7 70.1 130.1

131 94.7 67.8 125.8

166 127.7 87.9 163.3

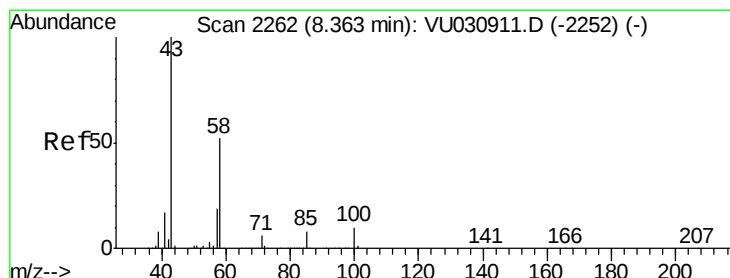
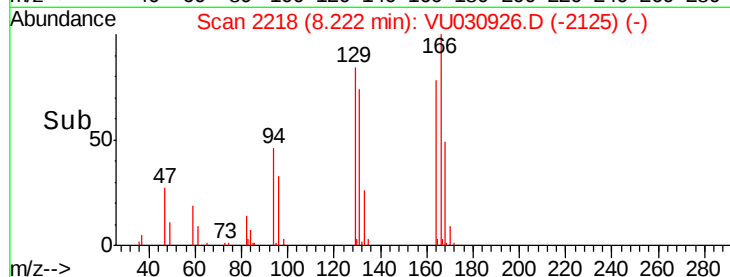
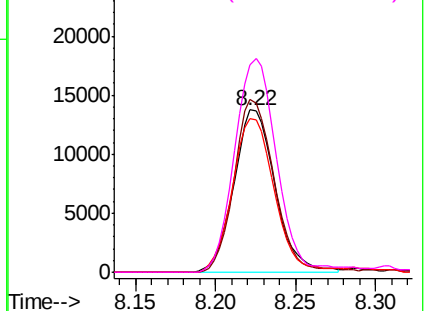


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#48

2-Hexanone

Concen: 1.824 ug/L

RT: 8.37 min Scan# 2264

Delta R.T. 0.01 min

Lab File: VU030926.D

Acq: 08 Apr 2019 23:47

Tgt Ion: 43 Resp: 16132

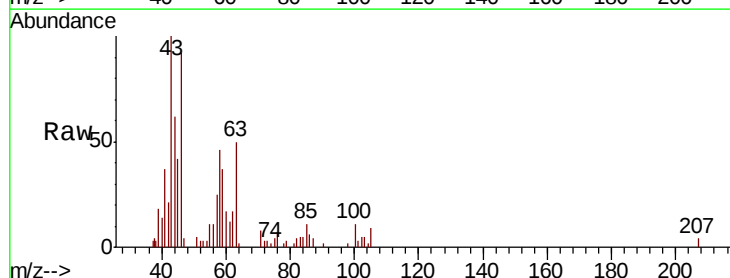
Ion Ratio Lower Upper

43 100

58 40.2 42.5 63.7#

57 24.2 13.9 20.9#

100 9.7 7.1 10.7

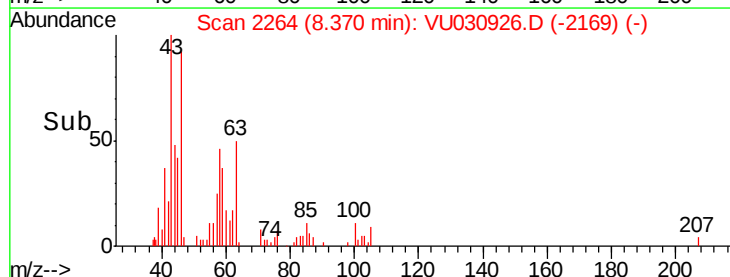
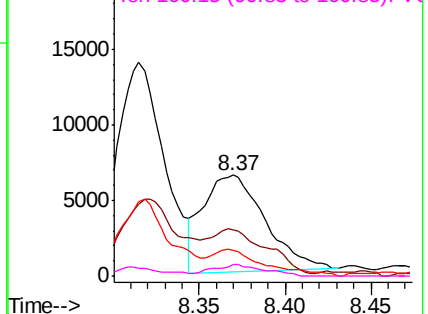


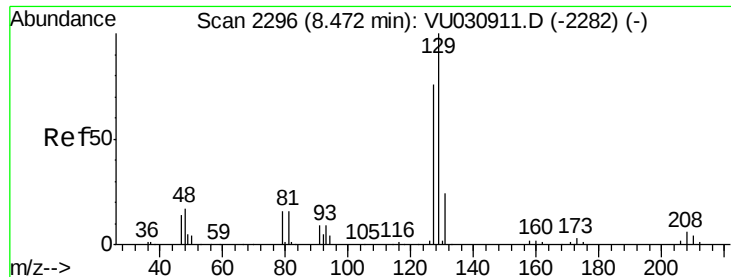
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0

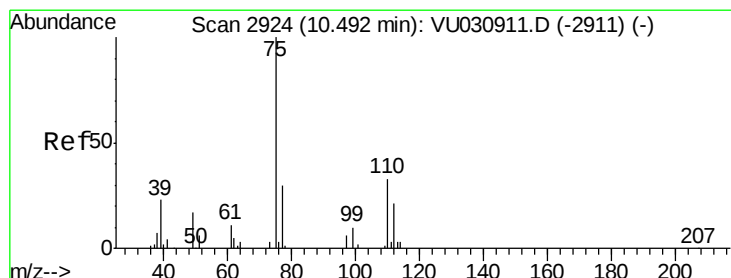
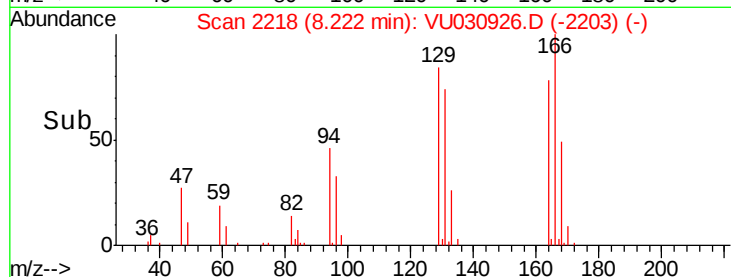
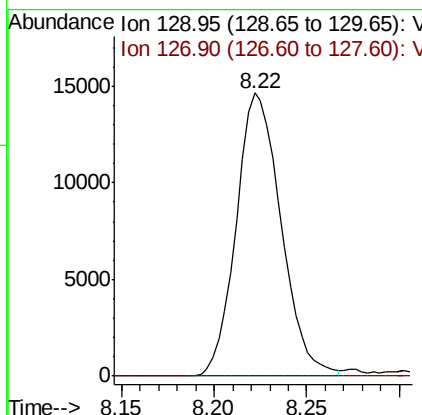
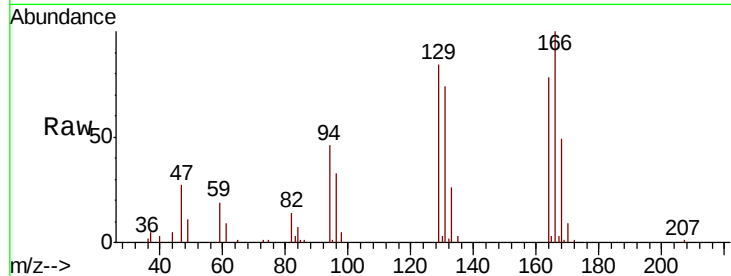




#49
 Dibromochloromethane
 Concen: 1.684 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. -0.25 min
 Lab File: VU030926.D
 Acq: 08 Apr 2019 23:47

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YC1

Tot Ion:129 Resp: 24576
 Ion Ratio Lower Upper
 129 100
 127 0.0 51.1 94.9#



#59
 1,2,3-Trichloropropane
 Concen: 0.963 ug/L
 RT: 11.48 min Scan# 3232
 Delta R.T. 0.99 min
 Lab File: VU030926.D
 Acq: 08 Apr 2019 23:47

Tgt Ion: 75 Resp: 11013
 Ion Ratio Lower Upper
 75 100
 77 36.9 25.6 38.4

