

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041019\
 Data File : VU030933.D
 Acq On : 09 Apr 2019 02:38
 Operator : JC/SP
 Sample : K2248-20MSD
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YD3MSD

Quant Time: Apr 09 03:39:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR032919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Apr 09 03:34:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	232722	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	224008	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	87171	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	94830	5.33	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	106.60%
7) Chloroethane-d5	1.68	69	81528	5.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	113.80%
11) 1,1-Dichloroethene-d2	2.27	63	199251	5.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	109.40%
20) 2-Butanone-d5	4.19	46	320206	69.88	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	139.76%#
24) Chloroform-d	4.64	84	156299	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.60%
26) 1,2-Dichloroethane-d4	5.31	65	99154	6.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	123.80%
32) Benzene-d6	5.33	84	322786	5.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.40%
36) 1,2-Dichloropropane-d6	6.33	67	111853	5.65	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	113.00%
41) Toluene-d8	7.56	98	254250	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
43) trans-1,3-Dichloropropene-	7.85	79	37776	5.14	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.80%
46) 2-Hexanone-d5	8.31	63	199022	62.29	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	124.58%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	95507	6.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	134.80%#
64) 1,2-Dichlorobenzene-d4	11.86	152	88623	6.08	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	121.60%#

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.28	96	91891	5.411	ug/L	100
13) Acetone	2.32	43	24138	6.813	ug/L	97
19) 1,1-Dichloroethane	3.44	63	10185	0.269	ug/L	96
22) cis-1,2-Dichloroethene	4.22	96	8569	0.448	ug/L	69
25) Chloroform	4.67	83	13914	0.402	ug/L	100
27) 1,2-Dichloroethane	5.38	62	3587	0.160	ug/L #	74
29) 1,1,1-Trichloroethane	4.91	97	69969	2.452	ug/L	99
31) Carbon tetrachloride	4.90	117	8846	0.369	ug/L	97
33) Benzene	5.38	78	376326	4.966	ug/L	100
34) Trichloroethene	6.18	95	93281	4.917	ug/L	98
35) Methylcyclohexane	6.32	83	24173	0.798	ug/L #	15
37) 1,2-Dichloropropane	6.33	63	11849	0.568	ug/L #	91
42) Toluene	7.63	91	358967	4.723	ug/L	100
47) Tetrachloroethene	8.22	164	5627	0.423	ug/L	91
48) 2-Hexanone	8.37	43	16499	1.830	ug/L #	85
49) Dibromochloromethane	8.22	129	4954	0.333	ug/L #	13
51) Chlorobenzene	9.12	112	232140	4.954	ug/L	98

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Apr 09 03:34:38 2019
Response via : Initial Calibration

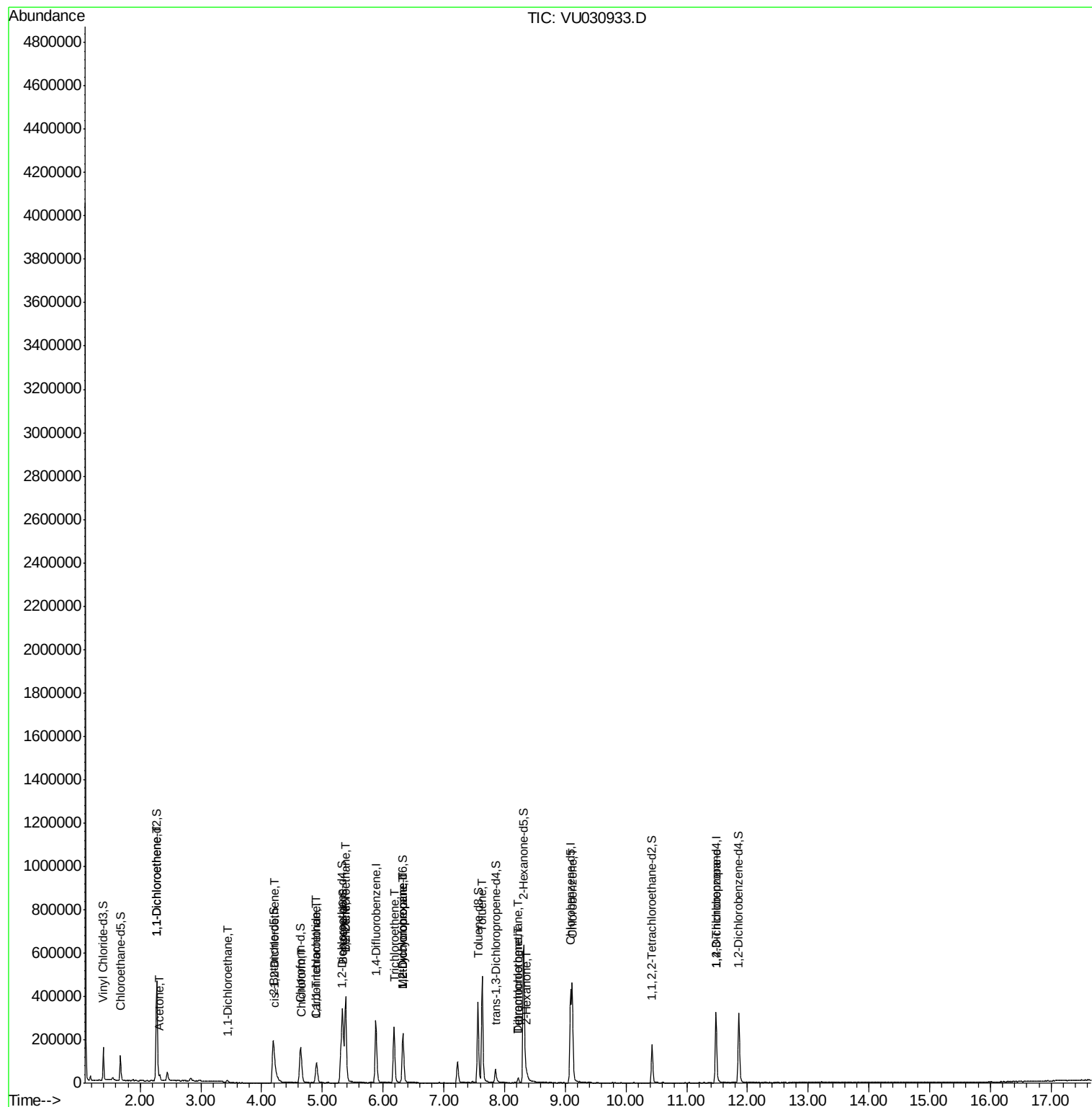
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.48	75	11090	0.952	ug/L #	43

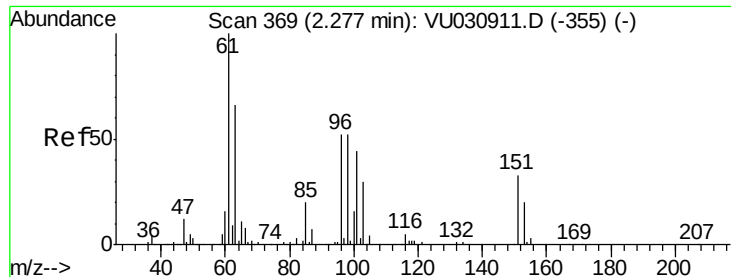
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 5.411 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.01 min

Lab File: VU030933.D

Acq: 09 Apr 2019 02:38

Instrument :

MSVOA_U

ClientSampleId :

E3YD3MSD

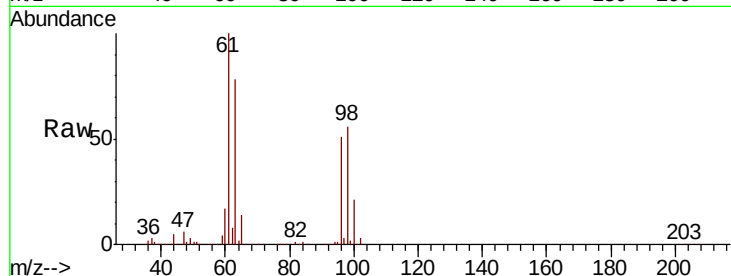
Tot Ion: 96 Resp: 91891

Ion Ratio Lower Upper

96 100

61 196.2 136.9 254.3

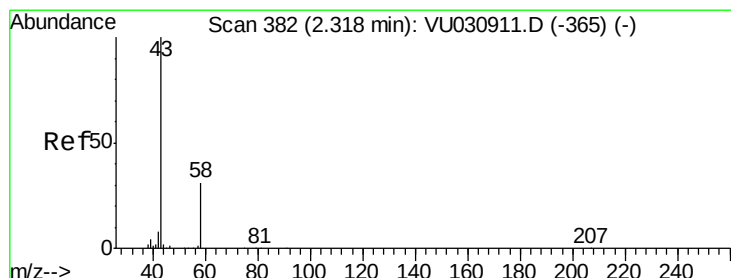
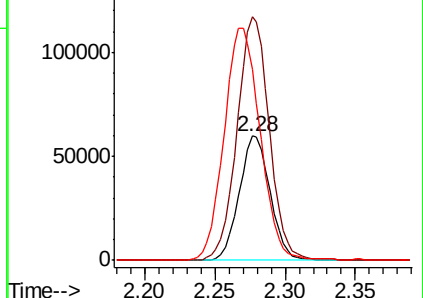
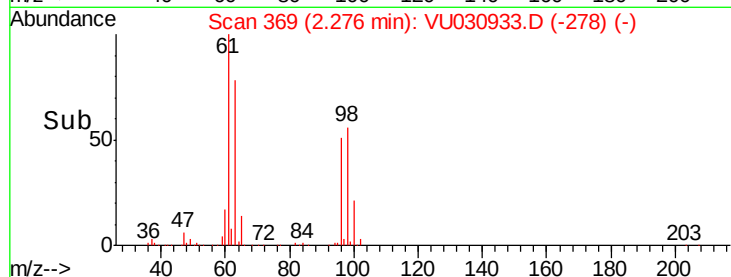
63 153.7 107.7 200.1



Abundance Ion 96.00 (95.70 to 96.70): VU030933.D (-302) (-)

Ion 61.05 (60.75 to 61.75): VU030933.D (-302) (-)

Ion 63.00 (62.70 to 63.70): VU030933.D (-302) (-)



#13

Acetone

Concen: 6.813 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.04 min

Lab File: VU030933.D

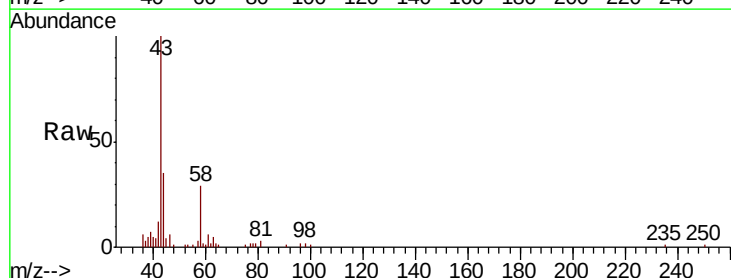
Acq: 09 Apr 2019 02:38

Tgt Ion: 43 Resp: 24138

Ion Ratio Lower Upper

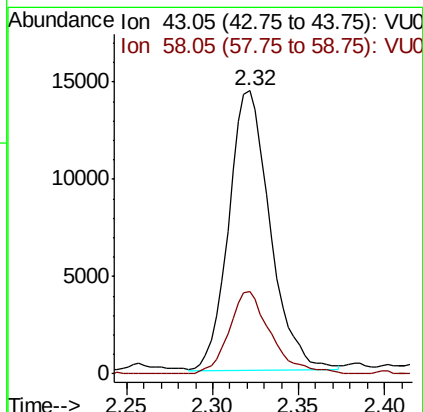
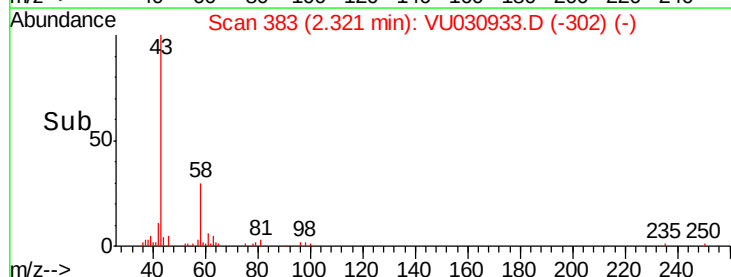
43 100

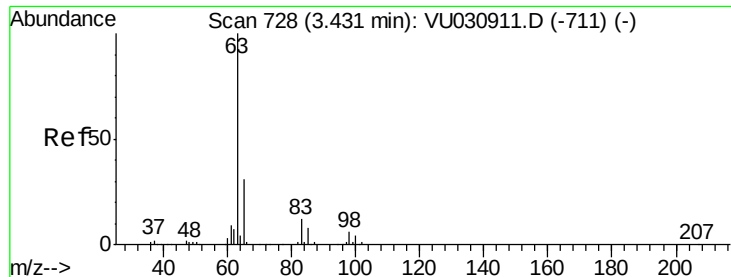
58 29.8 0.0 62.8



Abundance Ion 43.05 (42.75 to 43.75): VU030933.D (-302) (-)

Ion 58.05 (57.75 to 58.75): VU030933.D (-302) (-)

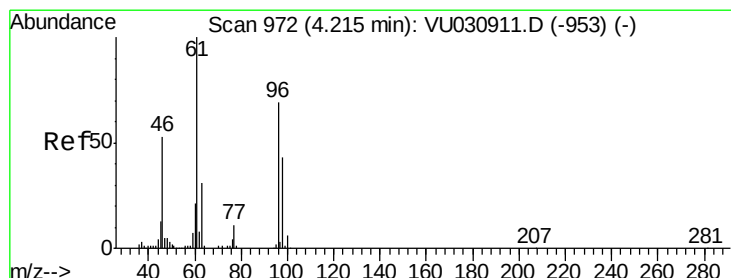
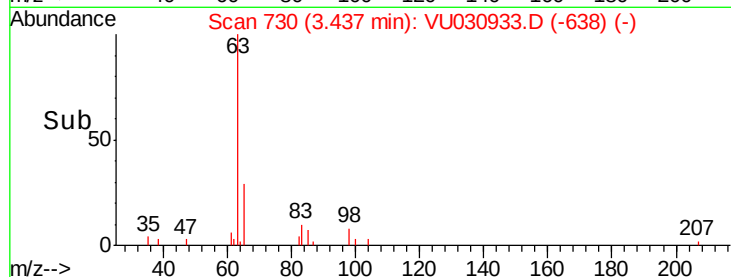
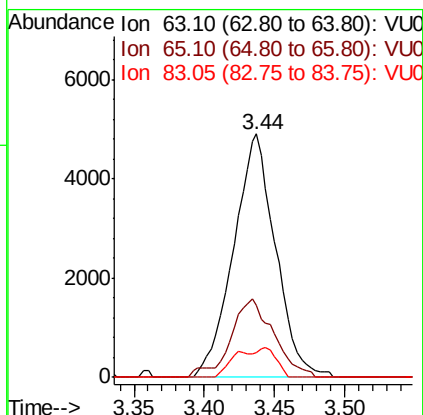
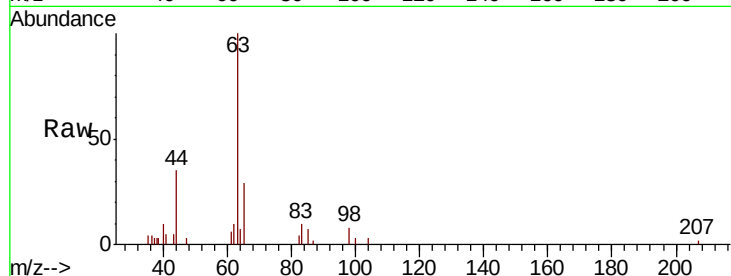




#19
 1,1-Dichloroethane
 Concen: 0.269 ug/L
 RT: 3.44 min Scan# 730
 Delta R.T. -0.00 min
 Lab File: VU030933.D
 Acq: 09 Apr 2019 02:38

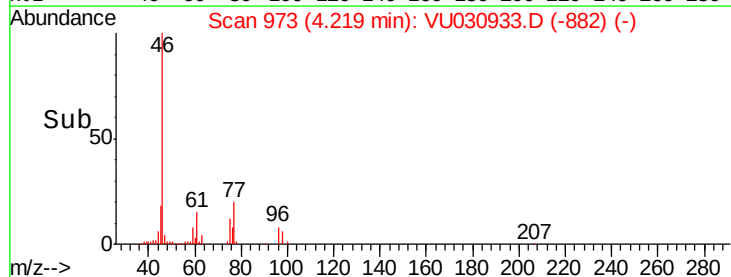
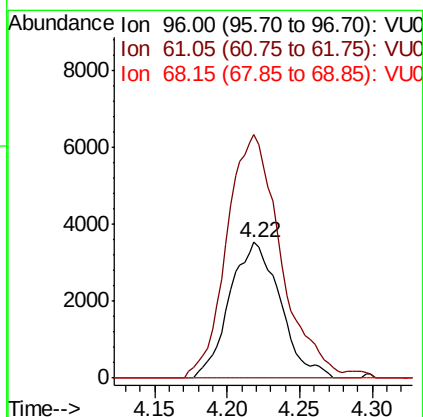
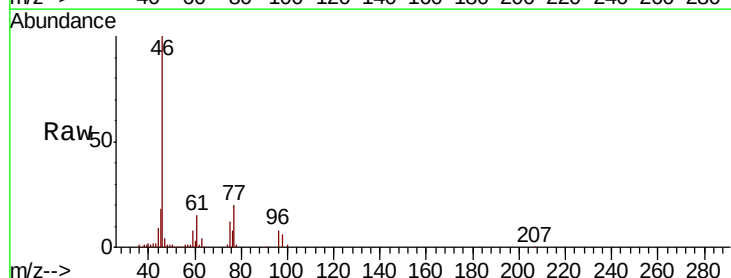
Instrument :
 MSVOA_U
 ClientSampleId :
 E3YD3MSD

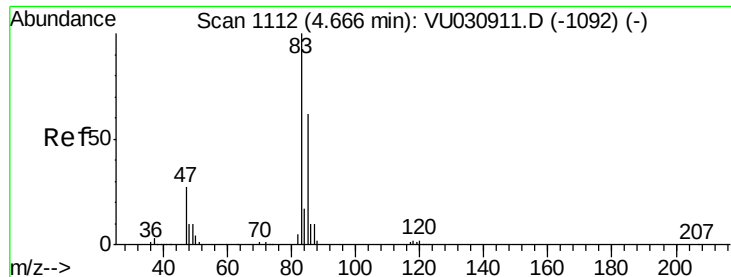
Tot Ion: 63 Resp: 10185
 Ion Ratio Lower Upper
 63 100
 65 29.5 21.6 40.0
 83 10.4 9.1 16.9



#22
 cis-1,2-Dichloroethene
 Concen: 0.448 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. -0.01 min
 Lab File: VU030933.D
 Acq: 09 Apr 2019 02:38

Tgt Ion: 96 Resp: 8569
 Ion Ratio Lower Upper
 96 100
 61 179.2 98.9 183.7
 68 0.0 0.0 0.0

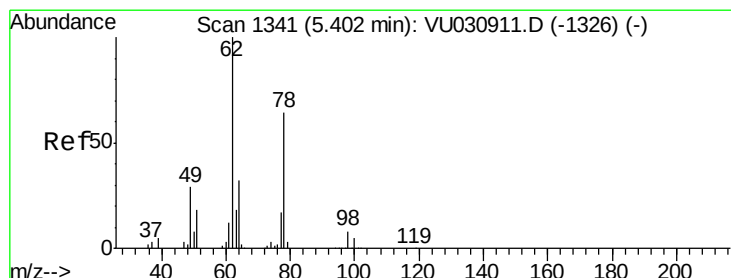
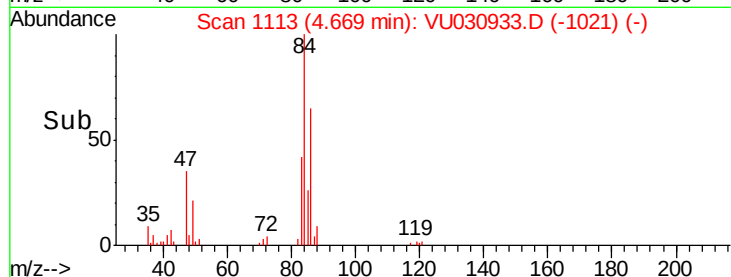
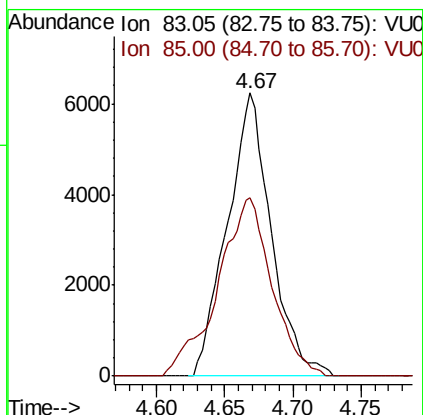
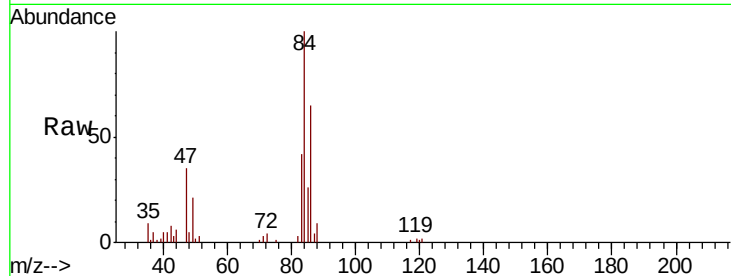




#25
Chloroform
Concen: 0.402 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VU030933.D
Acq: 09 Apr 2019 02:38

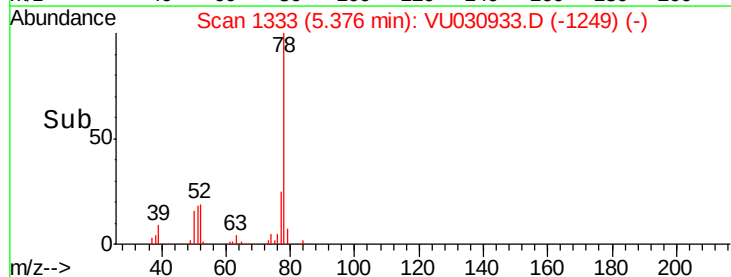
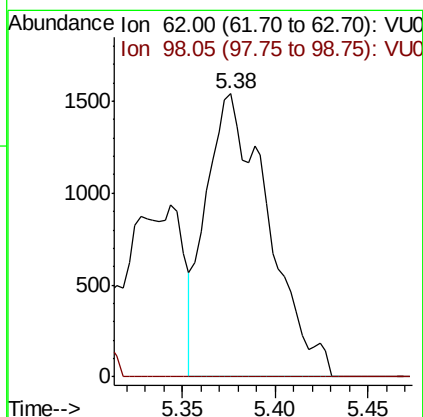
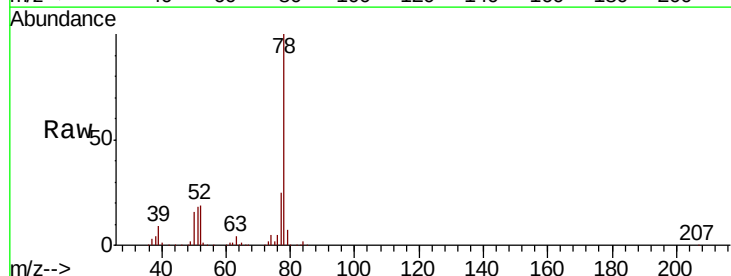
Instrument :
MSVOA_U
ClientSampleId :
E3YD3MSD

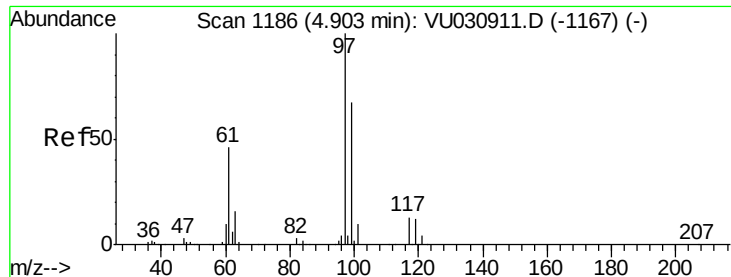
Tot Ion: 83 Resp: 13914
Ion Ratio Lower Upper
83 100
85 63.0 44.2 82.2



#27
1,2-Dichloroethane
Concen: 0.160 ug/L
RT: 5.38 min Scan# 1333
Delta R.T. -0.03 min
Lab File: VU030933.D
Acq: 09 Apr 2019 02:38

Tgt Ion: 62 Resp: 3587
Ion Ratio Lower Upper
62 100
98 0.0 7.4 11.2#

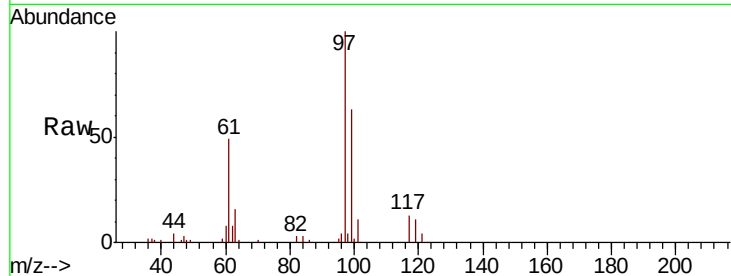




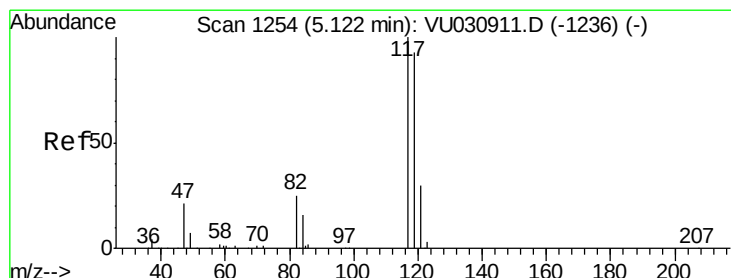
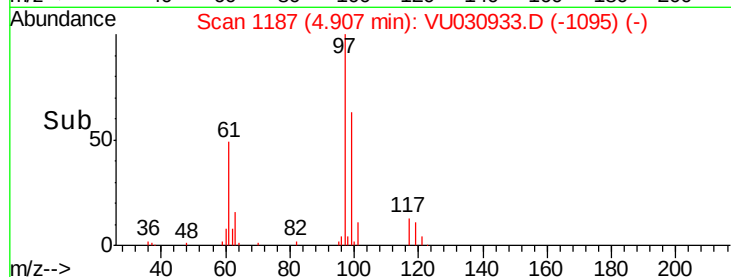
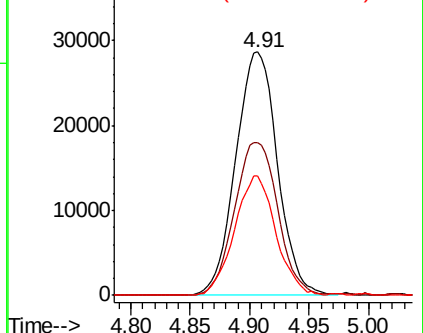
#29
 1,1,1-Trichloroethane
 Concen: 2.452 ug/L
 RT: 4.91 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: VU030933.D
 Acq: 09 Apr 2019 02:38

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YD3MSD

Tot Ion: 97 Resp: 69969
 Ion Ratio Lower Upper
 97 100
 99 65.1 51.8 77.6
 61 48.3 38.1 57.1

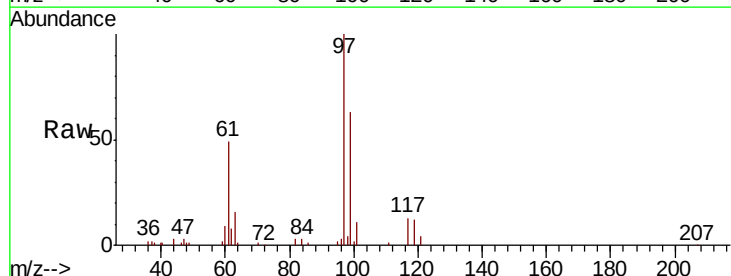


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

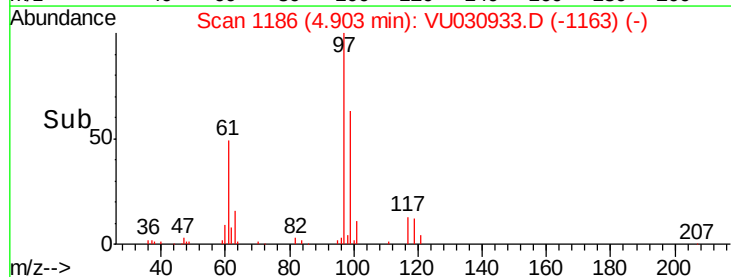
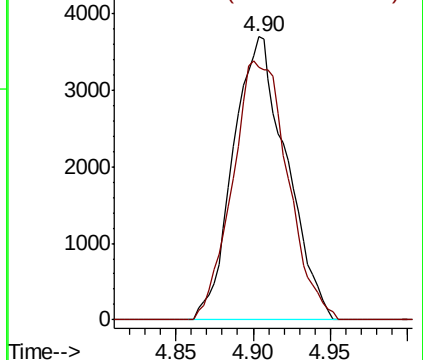


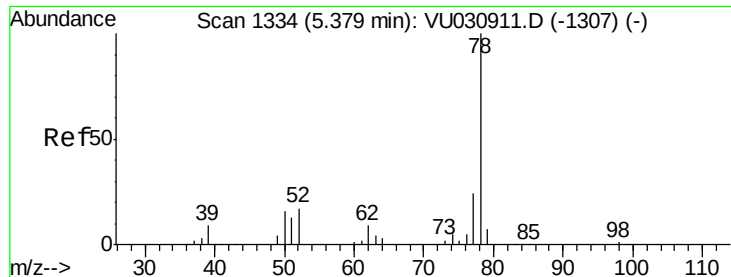
#31
 Carbon tetrachloride
 Concen: 0.369 ug/L
 RT: 4.90 min Scan# 1186
 Delta R.T. -0.23 min
 Lab File: VU030933.D
 Acq: 09 Apr 2019 02:38

Tgt Ion: 117 Resp: 8846
 Ion Ratio Lower Upper
 117 100
 119 94.6 73.7 110.5



Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 118.90 (118.60 to 119.60): V





#33

Benzene

Concen: 4.966 ug/L

RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VU030933.D

Acq: 09 Apr 2019 02:38

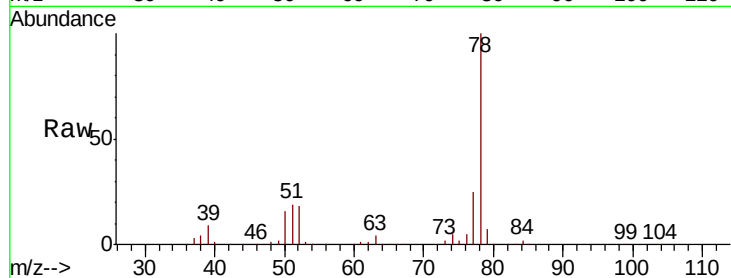
Instrument :

MSVOA_U

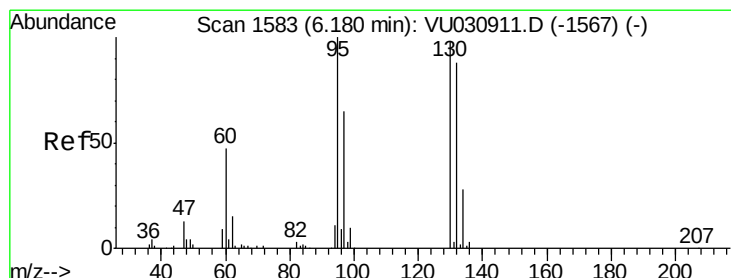
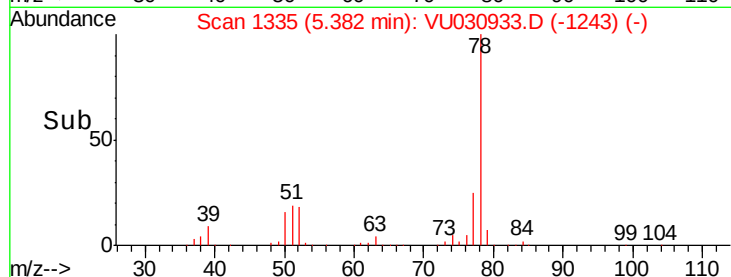
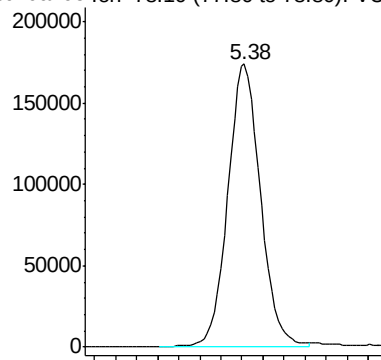
ClientSampleId :

E3YD3MSD

Tgt Ion: 78 Resp: 376326



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 4.917 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU030933.D

Acq: 09 Apr 2019 02:38

Tgt Ion: 95 Resp: 93281

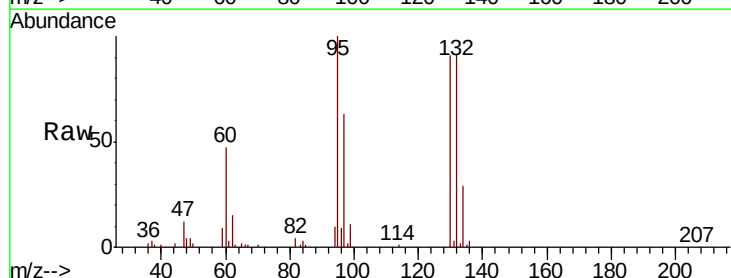
Ion	Ratio	Lower	Upper
95	100		
97	63.1	43.5	80.9
132	90.5	60.7	112.7
130	91.5	65.1	120.9

95 100

97 63.1 43.5 80.9

132 90.5 60.7 112.7

130 91.5 65.1 120.9

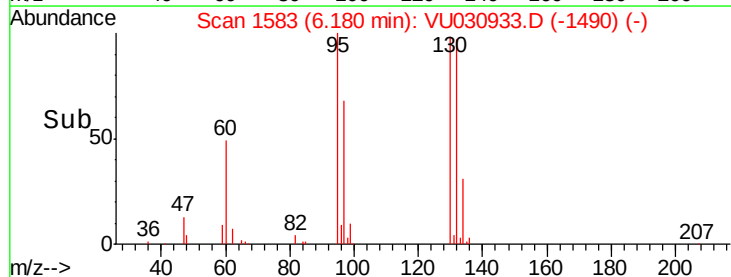
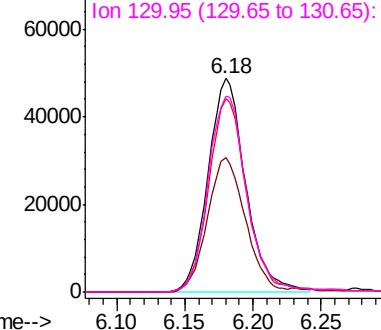


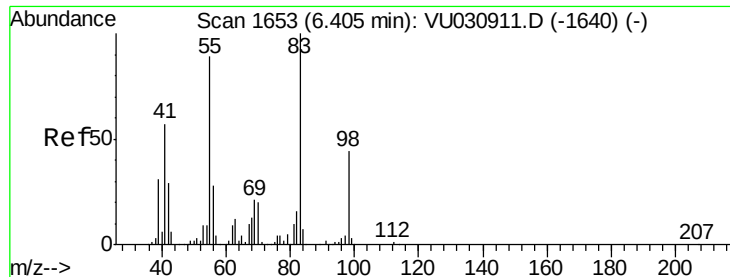
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

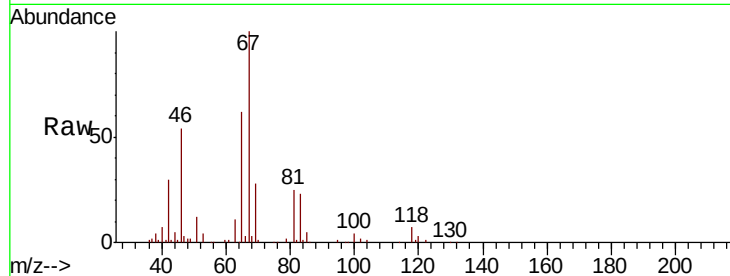




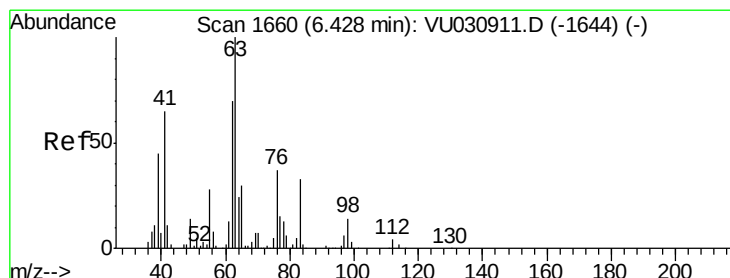
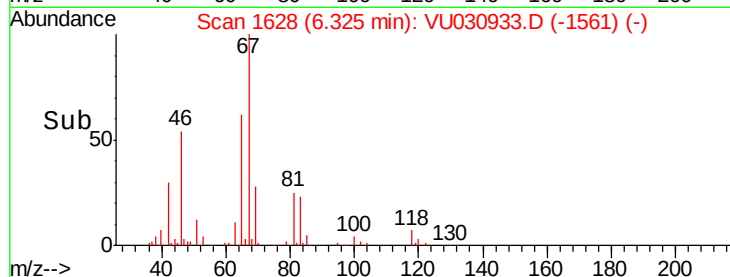
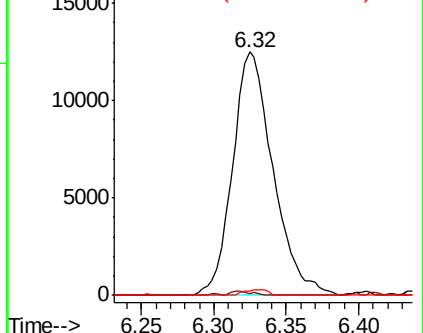
#35
Methylvlcyclohexane
Concen: 0.798 ug/L
RT: 6.32 min Scan# 1628
Delta R.T. -0.08 min
Lab File: VU030933.D
Acq: 09 Apr 2019 02:38

Instrument :
MSVOA_U
ClientSampleId :
E3YD3MSD

Tot Ion: 83 Resp: 24173
Ion Ratio Lower Upper
83 100
55 0.8 72.6 108.8#
98 1.3 35.0 52.6#

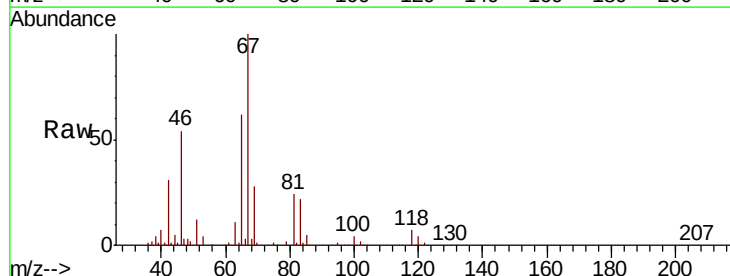


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

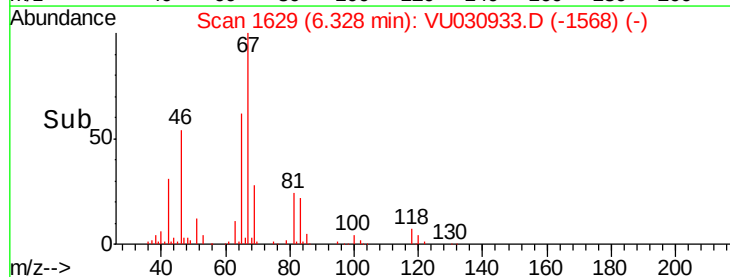
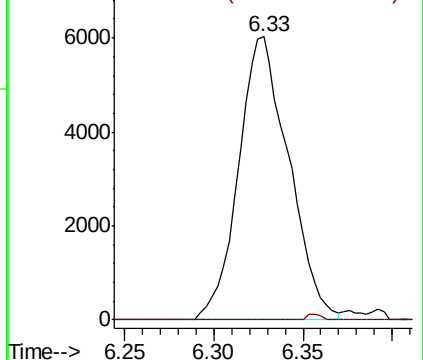


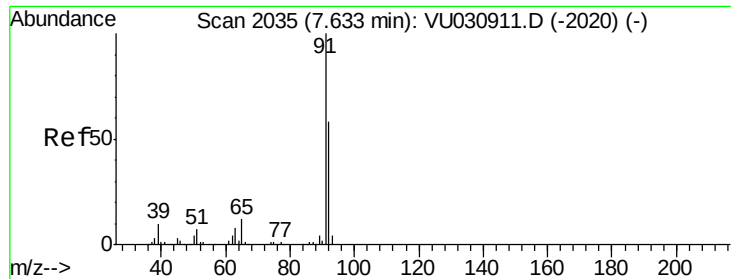
#37
1,2-Dichloropropane
Concen: 0.568 ug/L
RT: 6.33 min Scan# 1629
Delta R.T. -0.10 min
Lab File: VU030933.D
Acq: 09 Apr 2019 02:38

Tgt Ion: 63 Resp: 11849
Ion Ratio Lower Upper
63 100
112 0.6 2.8 4.2#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V





#42

Toluene

Concen: 4.723 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU030933.D

Acq: 09 Apr 2019 02:38

Instrument :

MSVOA_U

ClientSampleId :

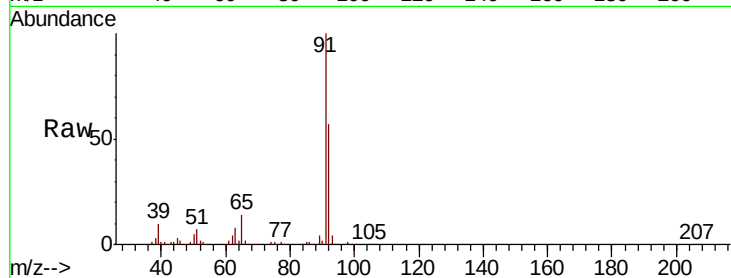
E3YD3MSD

Tot Ion: 91 Resp: 358967

Ion Ratio Lower Upper

91 100

92 56.6 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VU030911.D (-2020) (-)

Ion 92.15 (91.85 to 92.85): VU030911.D (-2020) (-)

7.63

200000

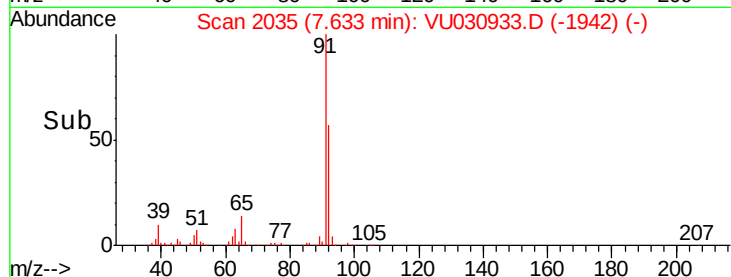
150000

100000

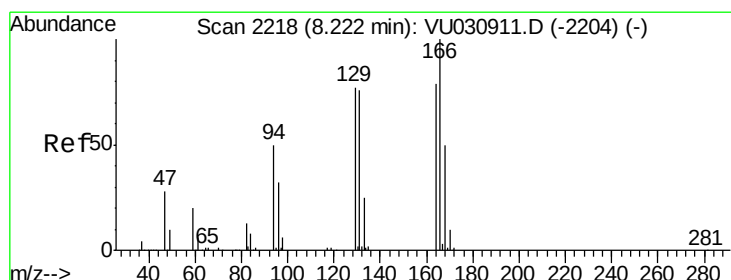
50000

0

Time-->



Time-->



#47

Tetrachloroethene

Concen: 0.423 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU030933.D

Acq: 09 Apr 2019 02:38

Tgt Ion:164 Resp: 5627

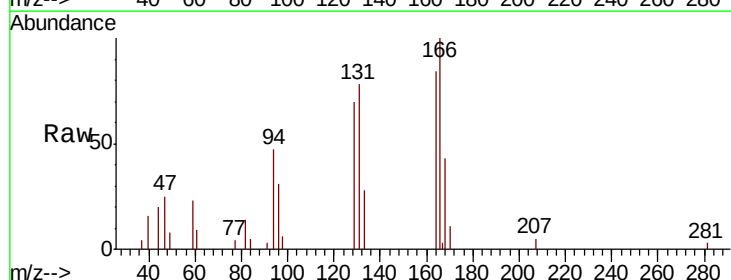
Ion Ratio Lower Upper

164 100

129 83.0 70.1 130.1

131 92.6 67.8 125.8

166 118.8 87.9 163.3



Abundance Ion 163.90 (163.60 to 164.60): VU030911.D (-2204) (-)

Ion 128.95 (128.65 to 129.65): VU030911.D (-2204) (-)

Ion 130.95 (130.65 to 131.65): VU030911.D (-2204) (-)

Ion 165.90 (165.60 to 166.60): VU030911.D (-2204) (-)

8.22

6000

5000

4000

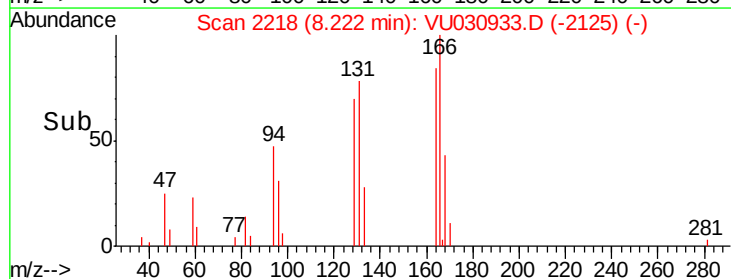
3000

2000

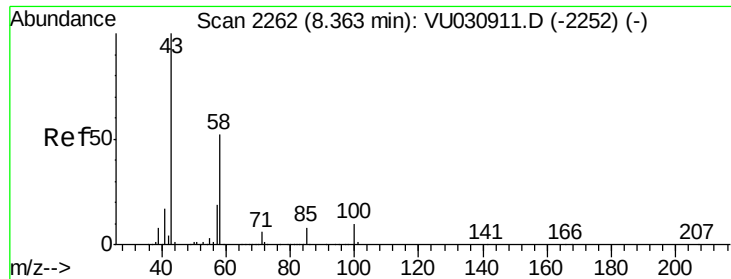
1000

0

Time-->



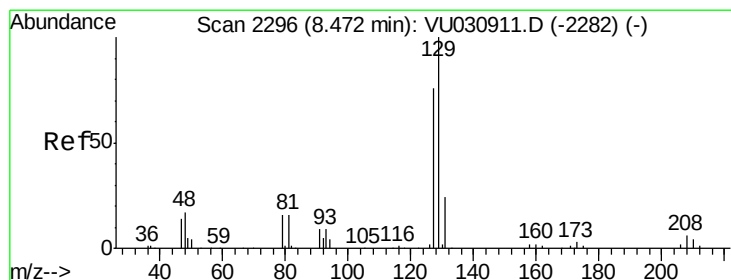
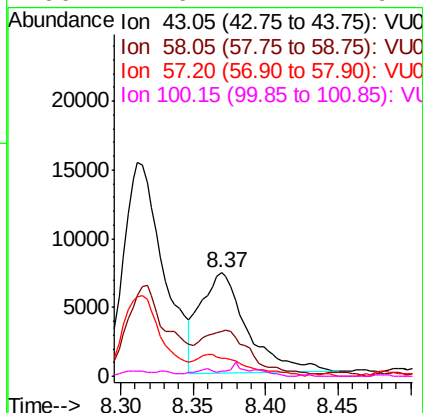
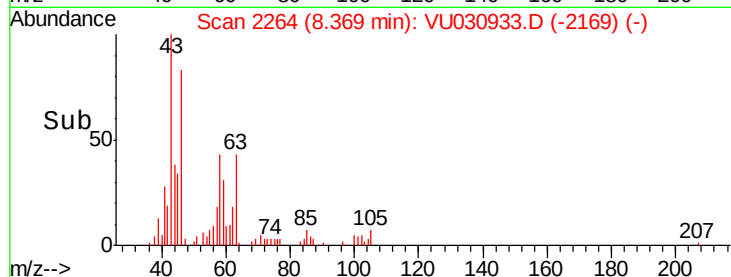
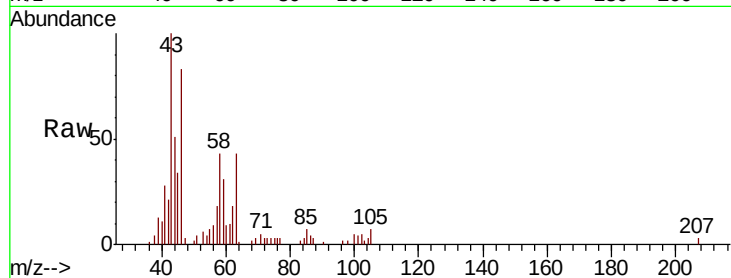
Time-->



#48
2-Hexanone
Concen: 1.830 ug/L
RT: 8.37 min Scan# 2264
Delta R.T. 0.01 min
Lab File: VU030933.D
Acq: 09 Apr 2019 02:38

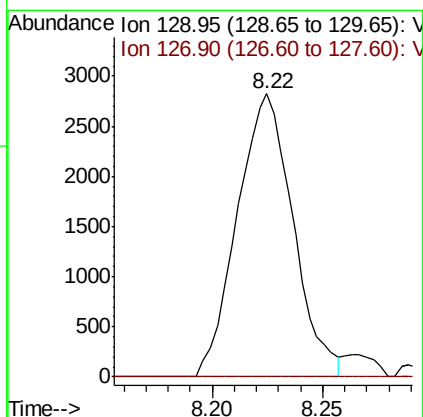
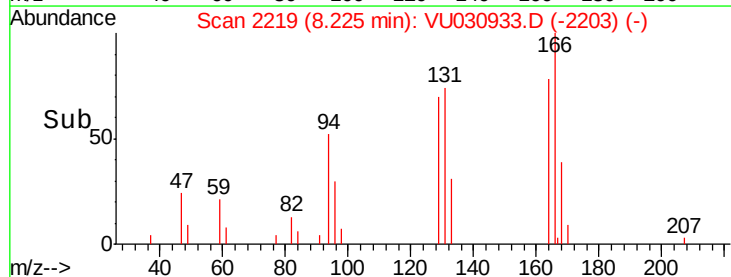
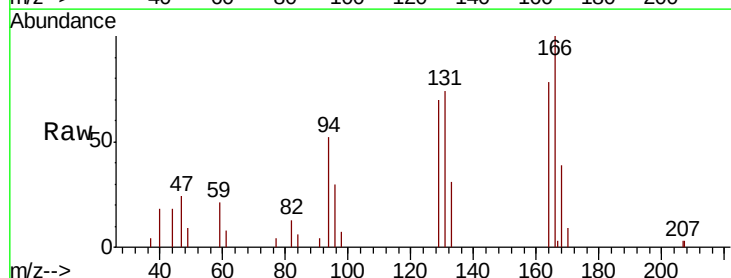
Instrument :
MSVOA_U
ClientSampleId :
E3YD3MSD

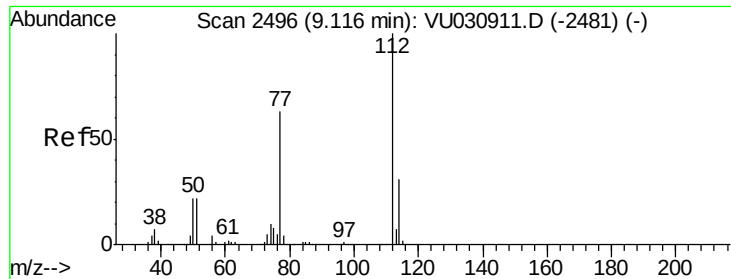
Tot Ion: 43 Resp: 16499
Ion Ratio Lower Upper
43 100
58 48.8 42.5 63.7
57 0.0 13.9 20.9#
100 1.6 7.1 10.7#



#49
Dibromochloromethane
Concen: 0.333 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. -0.25 min
Lab File: VU030933.D
Acq: 09 Apr 2019 02:38

Tgt Ion: 129 Resp: 4954
Ion Ratio Lower Upper
129 100
127 0.0 51.1 94.9#

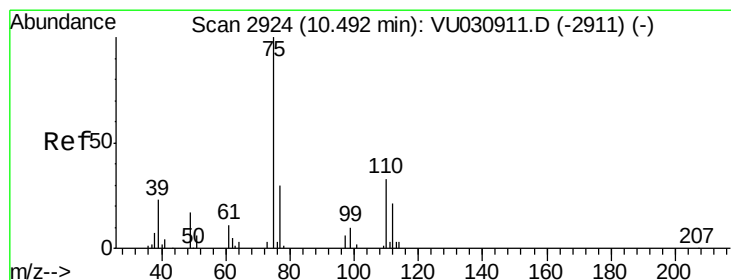
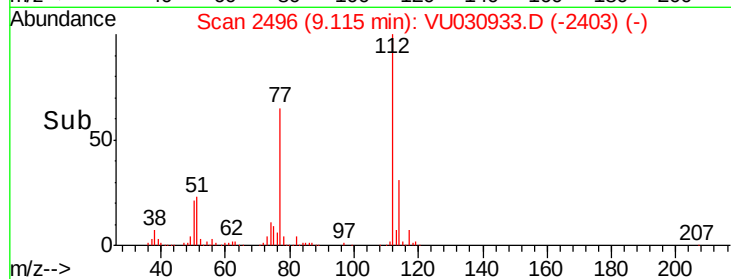
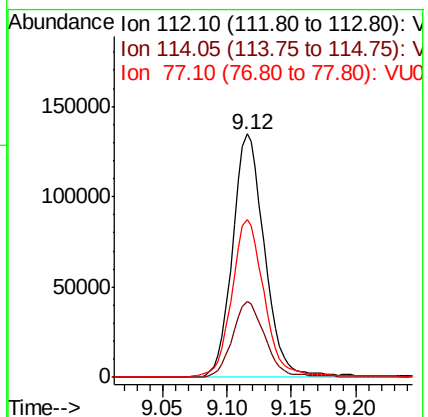
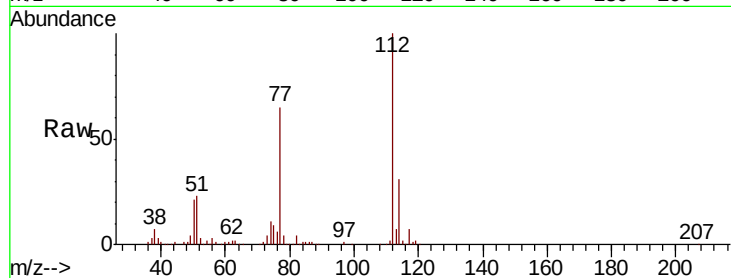




#51
Chlorobenzene
Concen: 4.954 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU030933.D
Acq: 09 Apr 2019 02:38

Instrument :
MSVOA_U
ClientSampleId :
E3YD3MSD

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.1	22.3	41.5
77	65.0	51.0	76.6



#59
1,2,3-Trichloropropane
Concen: 0.952 ug/L
RT: 11.48 min Scan# 3232
Delta R.T. 0.99 min
Lab File: VU030933.D
Acq: 09 Apr 2019 02:38

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	25.6	38.4#

