

Data File : VU028236.D
Acq On : 17 Nov 2018 19:53
Operator : MD/SY
Sample : J5986-07DL 20X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0FJ0DL

Quant Time: Nov 19 03:12:20 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Nov 19 03:08:19 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	147171	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	139956	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	62247	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	54728	4.94	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.80%
7) Chloroethane-d5	1.68	69	45198	4.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.60%
11) 1,1-Dichloroethene-d2	2.28	63	80636	3.66	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.20%
20) 2-Butanone-d5	4.19	46	194410	52.46	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.92%
24) Chloroform-d	4.65	84	96494	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
26) 1,2-Dichloroethane-d4	5.32	65	56977	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.80%
32) Benzene-d6	5.34	84	196436	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
36) 1,2-Dichloropropane-d6	6.33	67	73663	5.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.80%
41) Toluene-d8	7.57	98	166385	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
43) trans-1,3-Dichloropropene-	7.86	79	20315	4.35	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.00%
46) 2-Hexanone-d5	8.31	63	136341	48.65	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.30%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	51051	4.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	57283	4.95	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.00%

Target Compounds

						Qvalue
5) Vinyl chloride	1.41	62	23071	1.545	ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	572	0.060	ug/L #	21
12) 1,1-Dichloroethene	2.28	96	680	0.075	ug/L #	1
13) Acetone	2.32	43	1271	0.499	ug/L #	45
15) Methyl Acetate	2.62	43	817	0.121	ug/L #	59
16) Methylene chloride	2.70	84	4892	0.429	ug/L	92
17) Methyl tert-butyl Ether	3.01	73	6882	0.253	ug/L #	89
18) trans-1,2-Dichloroethene	2.98	96	2000	0.207	ug/L	95
19) 1,1-Dichloroethane	3.45	63	2922	0.131	ug/L #	88
22) cis-1,2-Dichloroethene	4.23	96	88317	7.742	ug/L	100
25) Chloroform	4.68	83	5521	0.228	ug/L	90
34) Trichloroethene	6.19	95	108376	9.586	ug/L	97
35) Methylcyclohexane	6.33	83	15005	0.842	ug/L #	14
37) 1,2-Dichloropropane	6.33	63	7444	0.565	ug/L #	92
39) cis-1,3-Dichloropropene	7.23	75	1433	0.086	ug/L	90
47) Tetrachloroethene	8.23	164	2532	0.323	ug/L	90
49) Dibromochloromethane	8.22	129	2302	0.286	ug/L #	10

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111718\
Quantitation Report (Not Reviewed)

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QLast Update : Mon Nov 19 03:08:19 2018
Response via : Initial Calibration

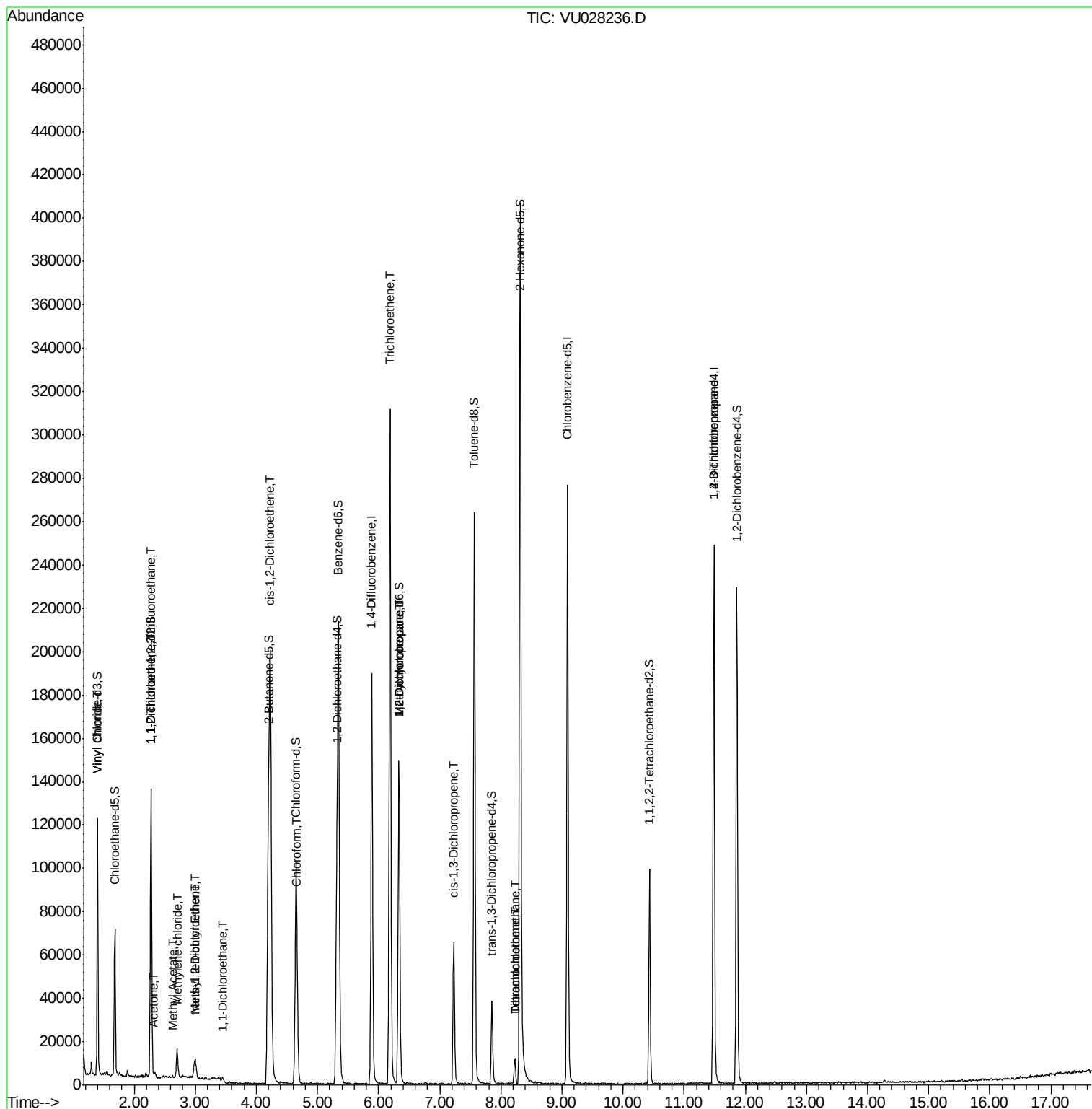
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.48	75	9878	1.297	ug/L	98

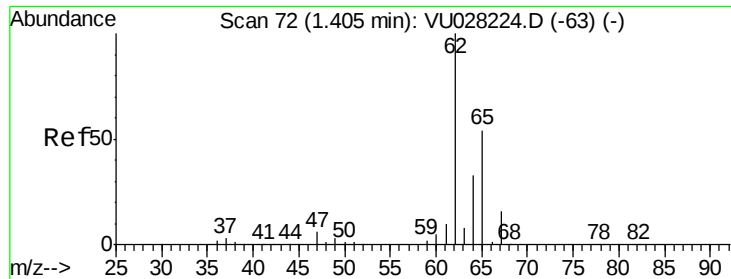
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 1.545 ug/L

RT: 1.41 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028236.D

Acq: 17 Nov 2018 19:53

Instrument :

MSVOA_U

ClientSampleID :

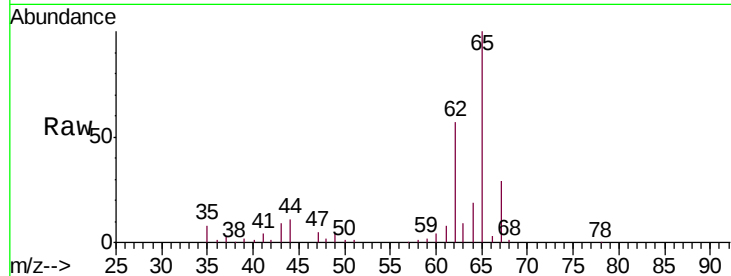
H0FJ0DL

Tgt Ion: 62 Resp: 23071

Ion Ratio Lower Upper

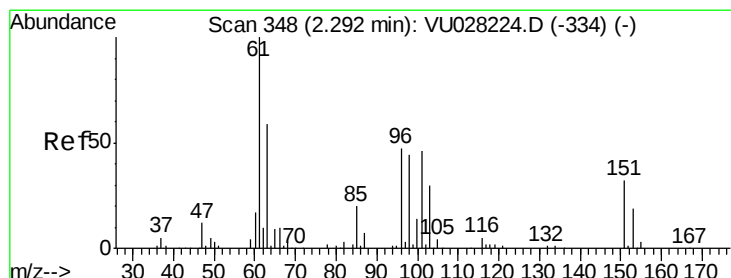
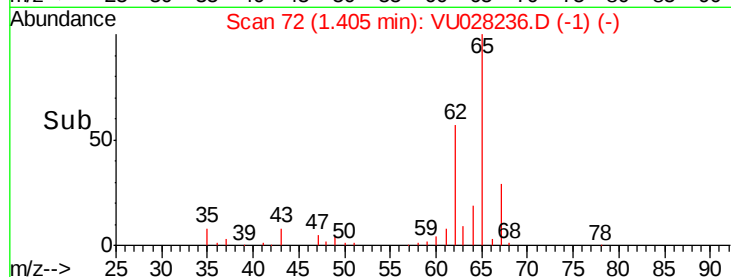
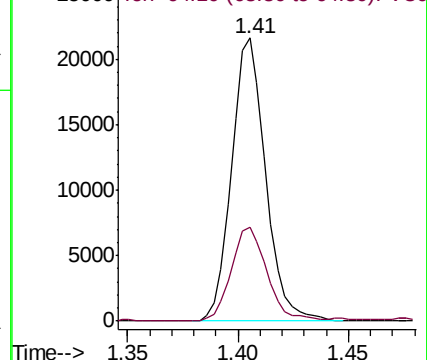
62 100

64 33.1 21.7 40.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#10

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

Concen: 0.060 ug/L

RT: 2.28 min Scan# 345

Delta R.T. -0.01 min

Lab File: VU028236.D

Acq: 17 Nov 2018 19:53

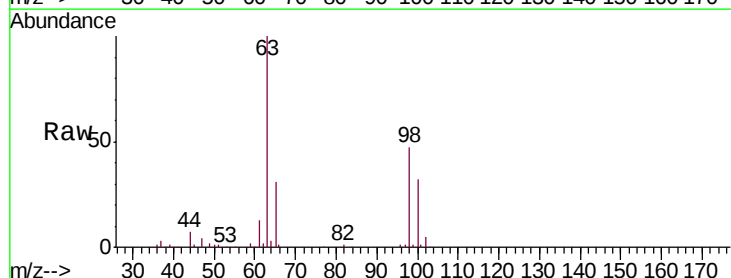
Tgt Ion: 101 Resp: 572

Ion Ratio Lower Upper

101 100

85 0.0 37.4 56.2#

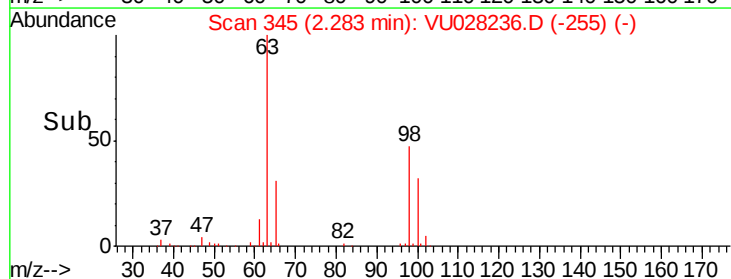
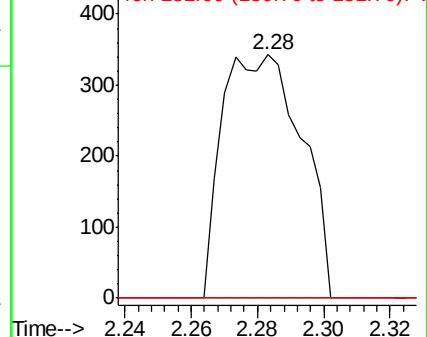
151 0.0 55.0 82.4#

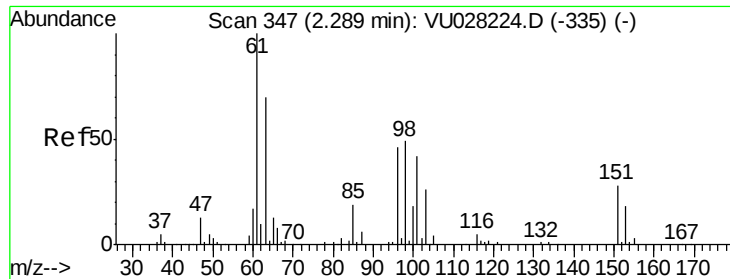


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#12

1,1-Dichloroethene

Concen: 0.075 ug/L

RT: 2.28 min Scan# 345

Delta R.T. -0.01 min

Lab File: VU028236.D

Acq: 17 Nov 2018 19:53

Instrument :

MSVOA_U

ClientSampleId :

H0FJ0DL

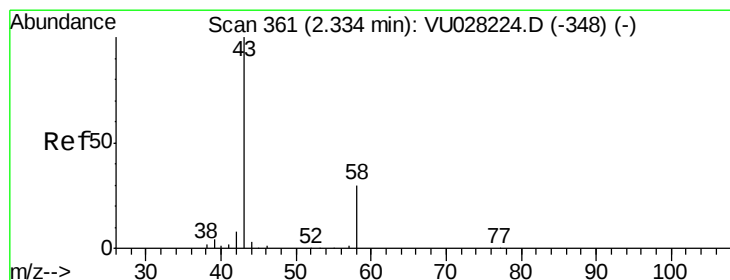
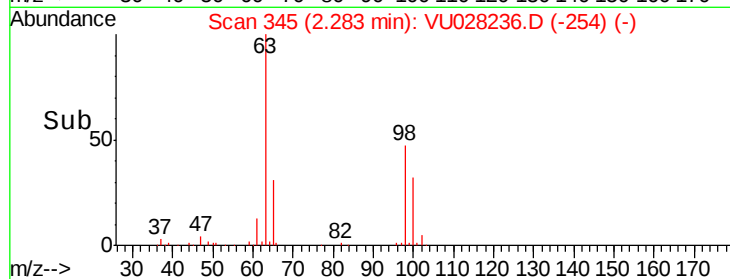
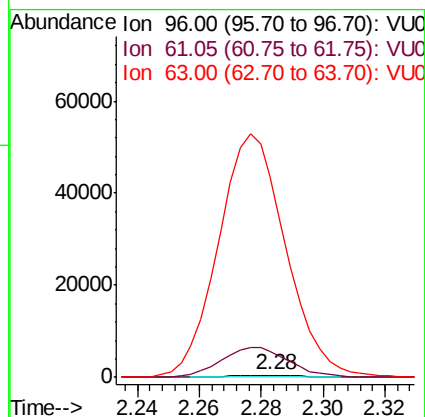
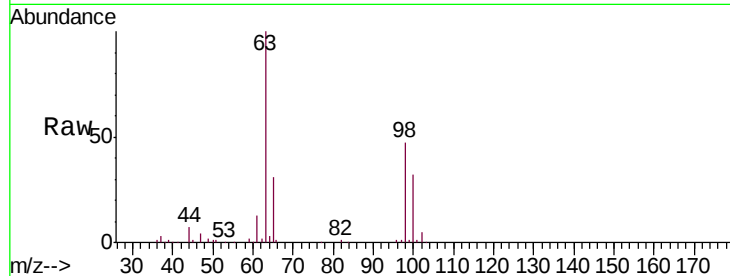
Tgt Ion: 96 Resp: 680

Ion Ratio Lower Upper

96 100

61 1147.7 145.5 270.1#

63 9051.2 98.6 183.2#



#13

Acetone

Concen: 0.499 ug/L

RT: 2.32 min Scan# 358

Delta R.T. -0.03 min

Lab File: VU028236.D

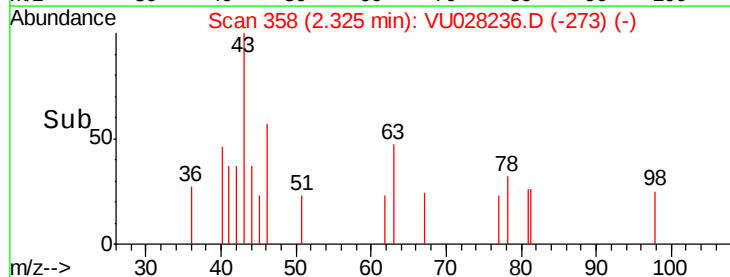
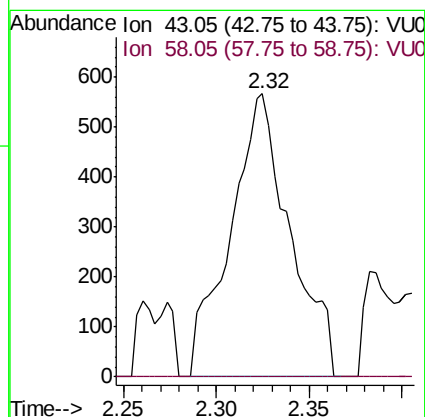
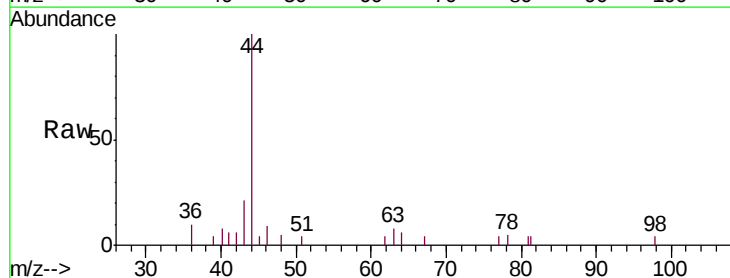
Acq: 17 Nov 2018 19:53

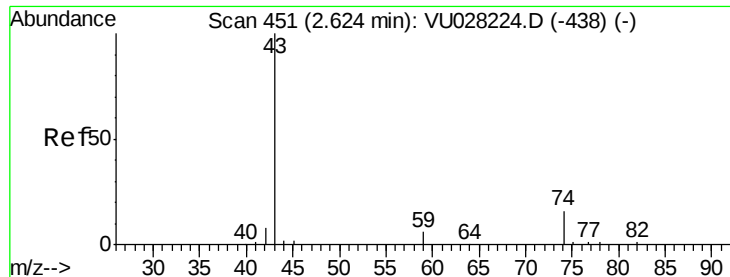
Tgt Ion: 43 Resp: 1271

Ion Ratio Lower Upper

43 100

58 0.0 0.0 58.6





#15

Methyl Acetate

Concen: 0.121 ug/L

RT: 2.62 min Scan# 451

Delta R.T. -0.00 min

Lab File: VU028236.D

Acq: 17 Nov 2018 19:53

Instrument :

MSVOA_U

ClientSampled :

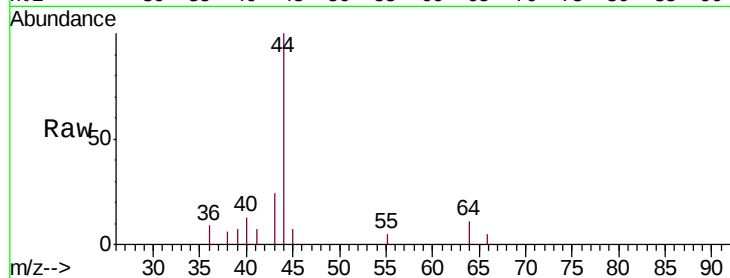
H0FJ0DL

Tgt Ion: 43 Resp: 817

Ion Ratio Lower Upper

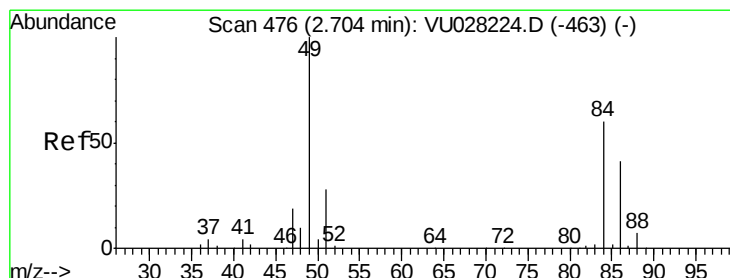
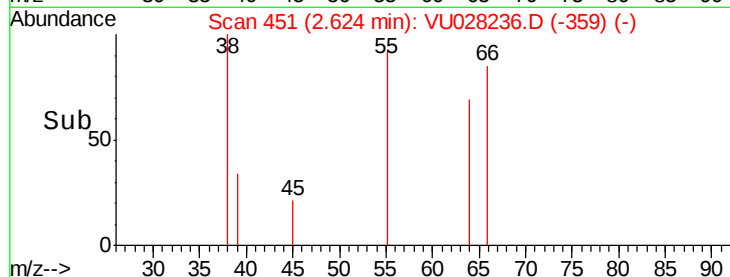
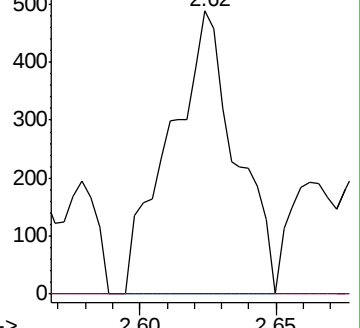
43 100

74 0.0 14.7 22.1#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 0.429 ug/L

RT: 2.70 min Scan# 475

Delta R.T. -0.00 min

Lab File: VU028236.D

Acq: 17 Nov 2018 19:53

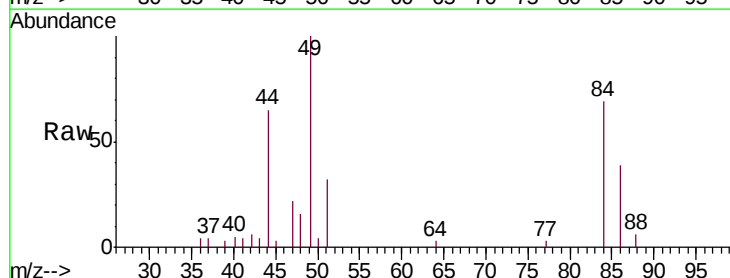
Tgt Ion: 84 Resp: 4892

Ion Ratio Lower Upper

84 100

86 57.1 45.3 84.1

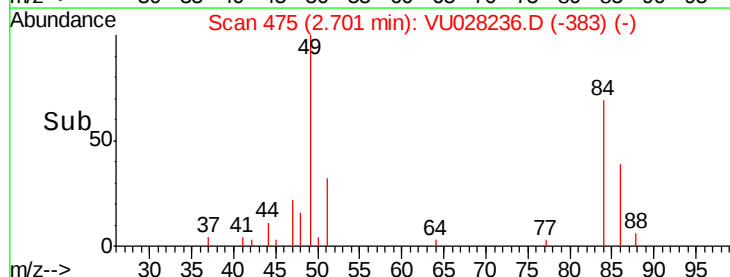
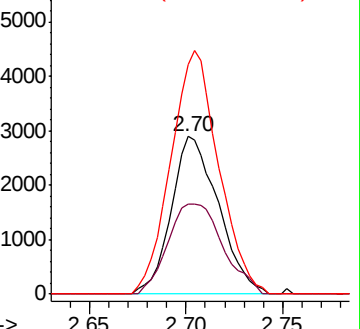
49 145.6 107.9 200.5

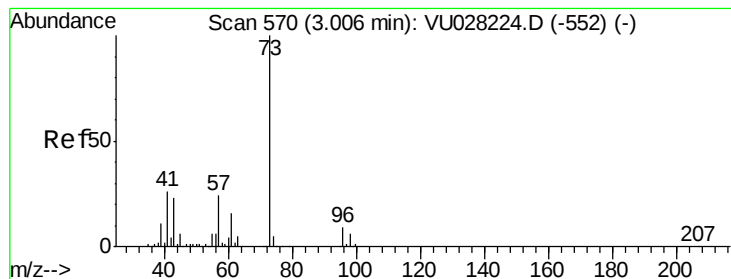


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0





#17

Methyl tert-butyl Ether

Concen: 0.253 ug/L

RT: 3.01 min Scan# 570

Delta R.T. -0.00 min

Lab File: VU028236.D

Acq: 17 Nov 2018 19:53

Instrument :

MSVOA_U

ClientSampleId :

H0FJ0DL

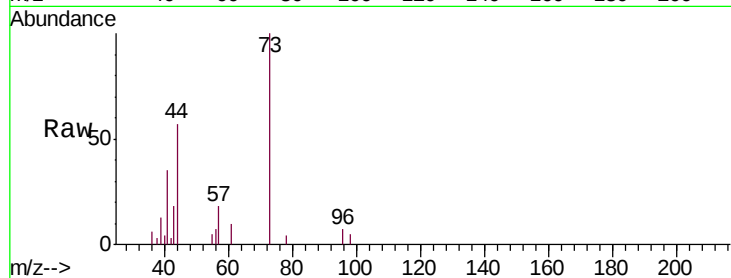
Tgt Ion: 73 Resp: 6882

Ion Ratio Lower Upper

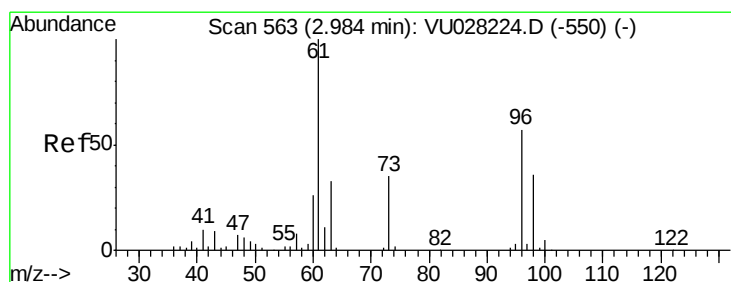
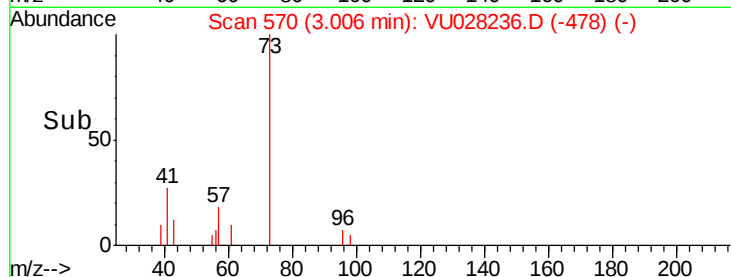
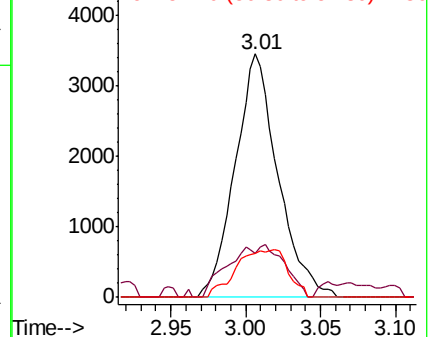
73 100

43 13.5 18.8 28.2#

57 23.6 19.2 28.8



Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0



#18

trans-1,2-Dichloroethene

Concen: 0.207 ug/L

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU028236.D

Acq: 17 Nov 2018 19:53

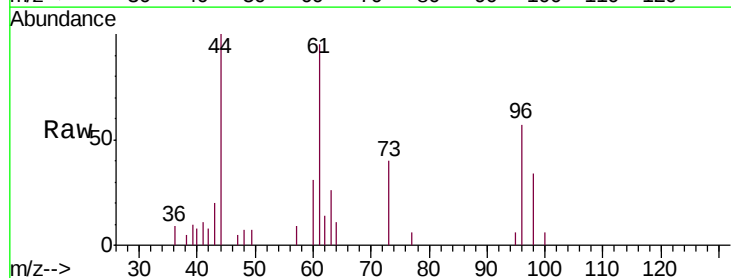
Tgt Ion: 96 Resp: 2000

Ion Ratio Lower Upper

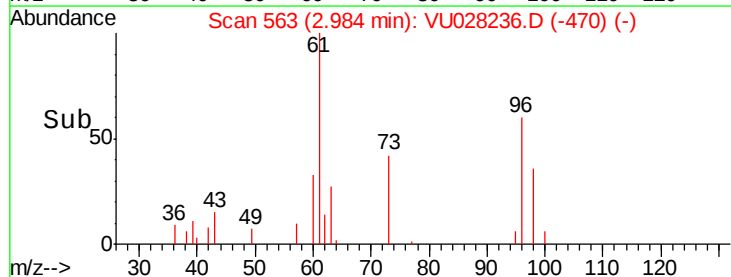
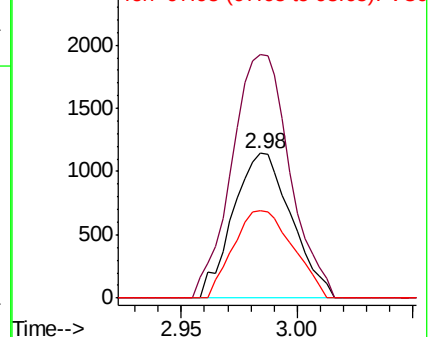
96 100

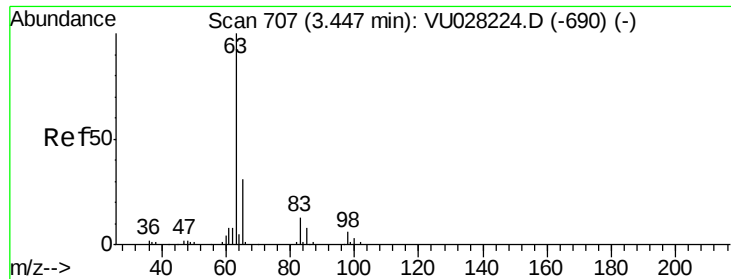
61 168.0 122.2 227.0

98 60.5 44.9 83.5



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 0.131 ug/L

RT: 3.45 min Scan# 708

Delta R.T. 0.00 min

Lab File: VU028236.D

Acq: 17 Nov 2018 19:53

Instrument :

MSVOA_U

ClientSampleId :

H0FJ0DL

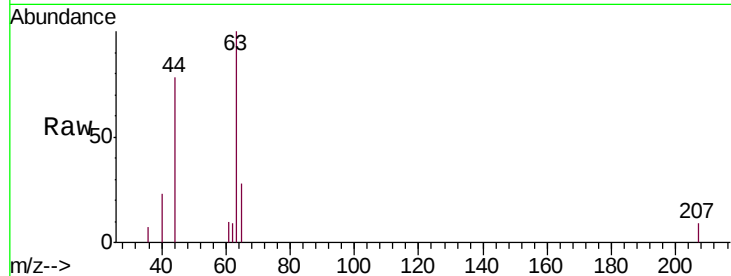
Tgt Ion: 63 Resp: 2922

Ion Ratio Lower Upper

63 100

65 28.3 21.2 39.4

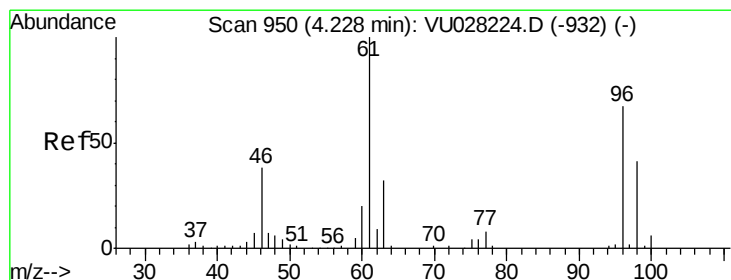
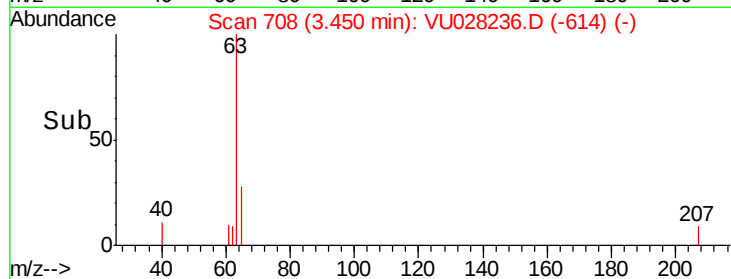
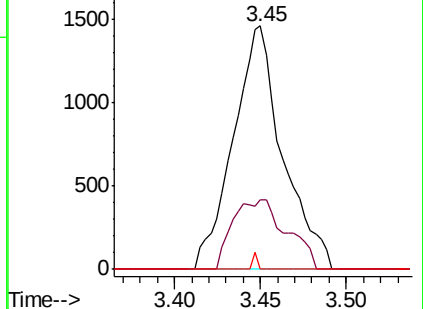
83 0.0 8.8 16.4#



Abundance Ion 63.10 (62.80 to 63.80): VU028224.D (-690) (-)

Ion 65.10 (64.80 to 65.80): VU028224.D (-690) (-)

Ion 83.05 (82.75 to 83.75): VU028224.D (-690) (-)



#22

cis-1,2-Dichloroethene

Concen: 7.742 ug/L

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU028236.D

Acq: 17 Nov 2018 19:53

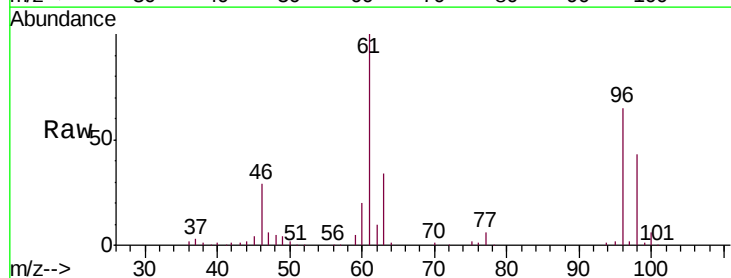
Tgt Ion: 96 Resp: 88317

Ion Ratio Lower Upper

96 100

61 154.6 108.0 200.6

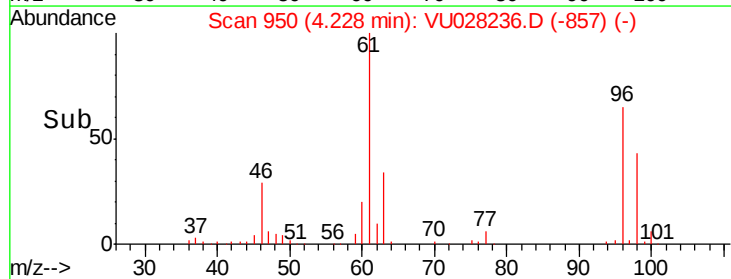
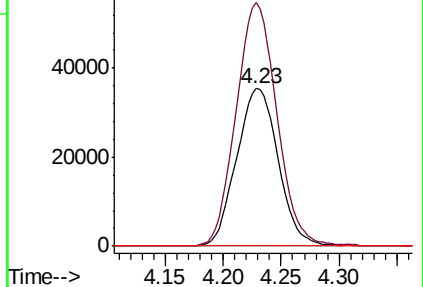
68 0.0 0.0 0.0

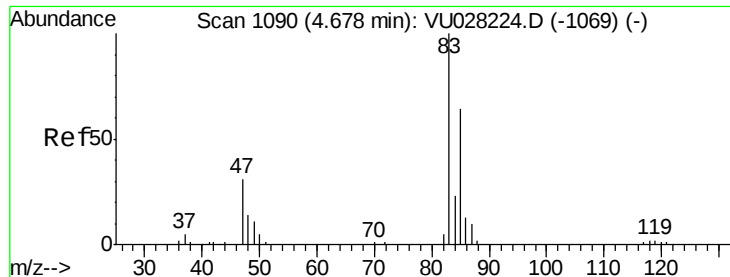


Abundance Ion 96.00 (95.70 to 96.70): VU028224.D (-932) (-)

Ion 61.05 (60.75 to 61.75): VU028224.D (-932) (-)

Ion 68.15 (67.85 to 68.85): VU028224.D (-932) (-)

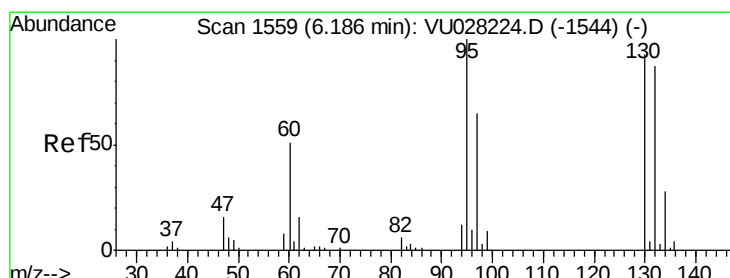
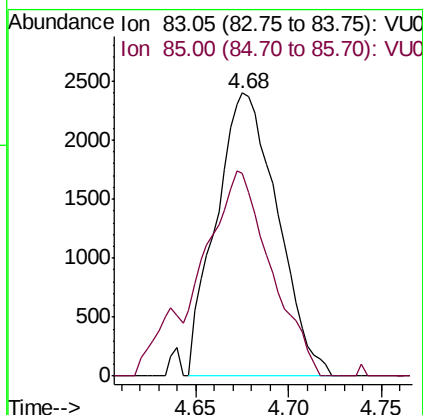
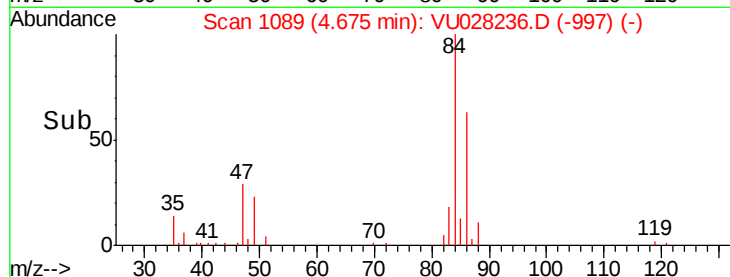
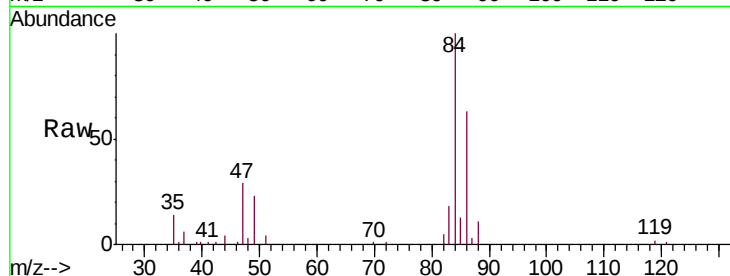




#25
Chloroform
Concen: 0.228 ug/L
RT: 4.68 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU028236.D
Acq: 17 Nov 2018 19:53

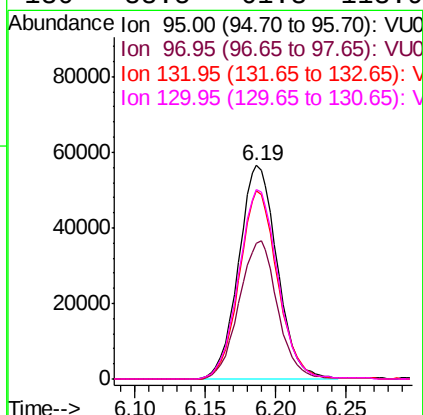
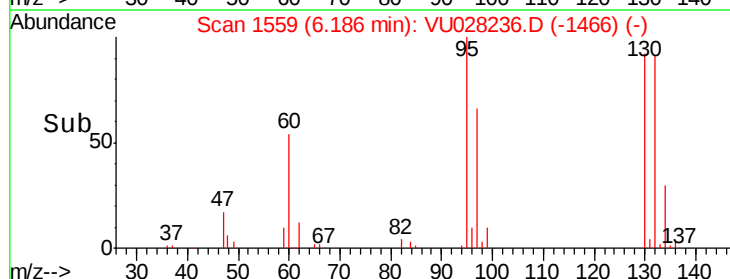
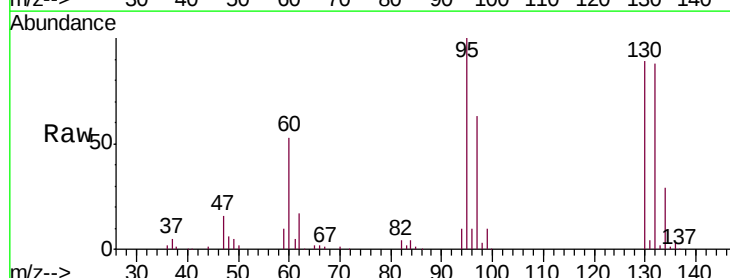
Instrument :
MSVOA_U
ClientSampleId :
H0FJ0DL

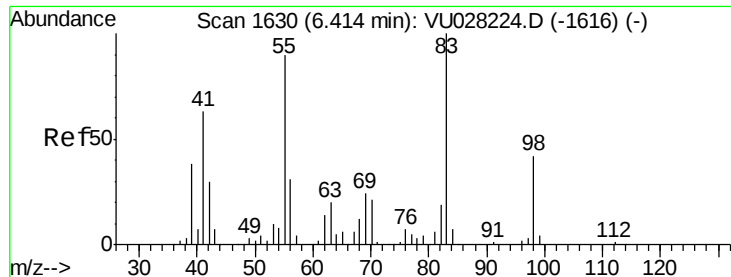
Tgt Ion: 83 Resp: 5521
Ion Ratio Lower Upper
83 100
85 71.7 44.6 82.8



#34
Trichloroethene
Concen: 9.586 ug/L
RT: 6.19 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VU028236.D
Acq: 17 Nov 2018 19:53

Tgt Ion: 95 Resp: 108376
Ion Ratio Lower Upper
95 100
97 63.3 46.5 86.3
132 88.0 58.9 109.3
130 88.5 61.3 113.9

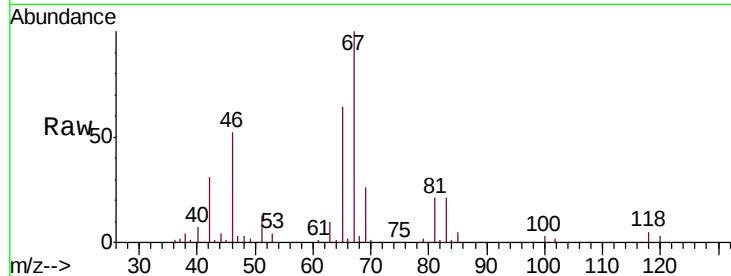




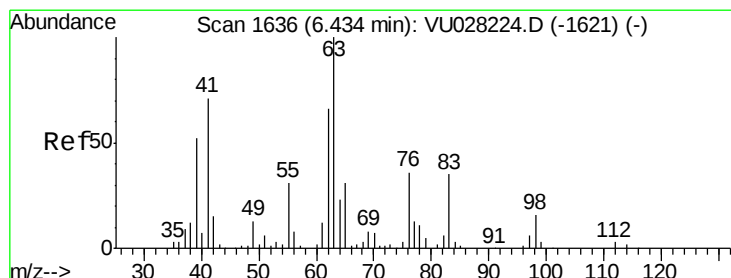
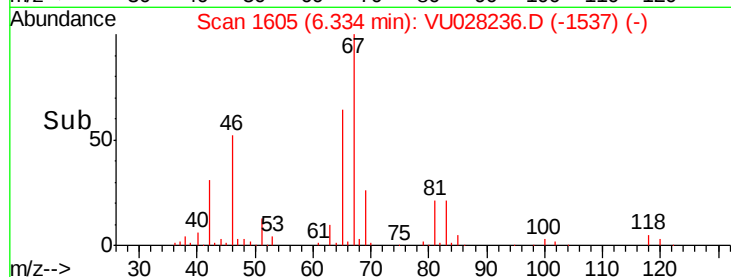
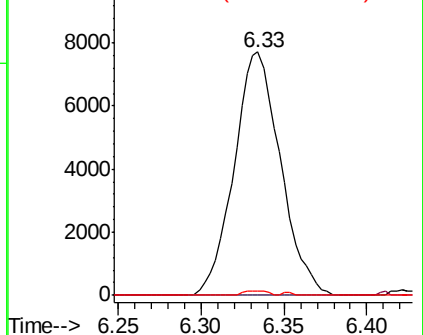
#35
Methylcyclohexane
Concen: 0.842 ug/L
RT: 6.33 min Scan# 1605
Delta R.T. -0.08 min
Lab File: VU028236.D
Acq: 17 Nov 2018 19:53

Instrument :
MSVOA_U
ClientSampleId :
H0FJ0DL

Tgt Ion: 83 Resp: 15005
Ion Ratio Lower Upper
83 100
55 0.3 73.2 109.8#
98 1.0 33.4 50.2#

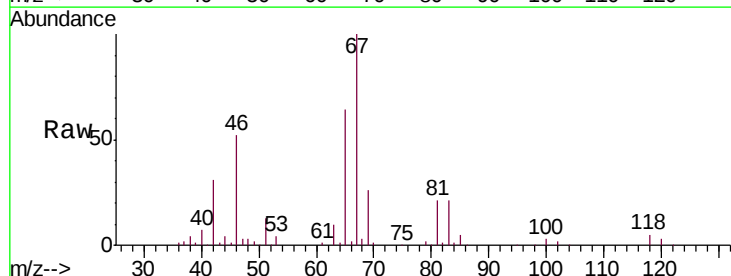


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

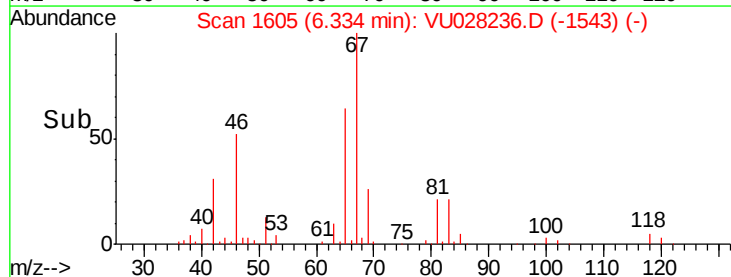
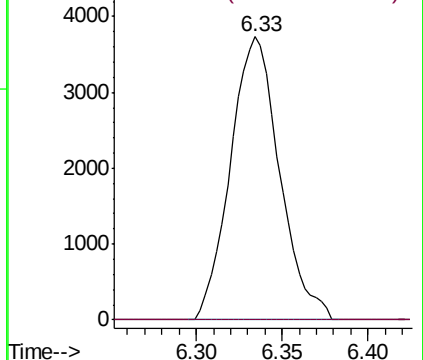


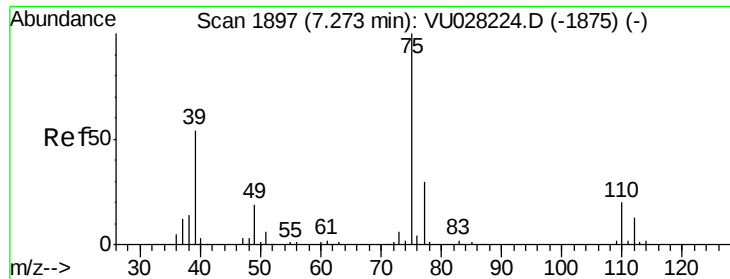
#37
1,2-Dichloropropane
Concen: 0.565 ug/L
RT: 6.33 min Scan# 1605
Delta R.T. -0.10 min
Lab File: VU028236.D
Acq: 17 Nov 2018 19:53

Tgt Ion: 63 Resp: 7444
Ion Ratio Lower Upper
63 100
112 0.0 2.2 3.2#



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

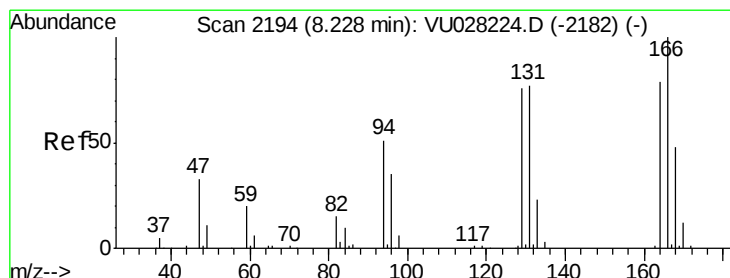
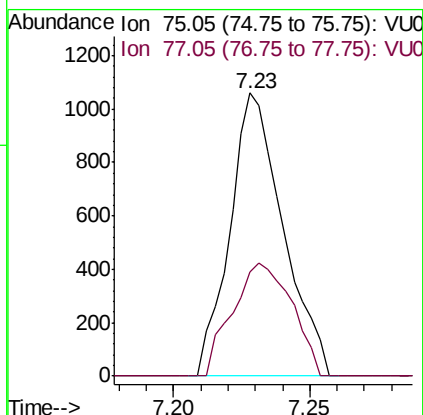
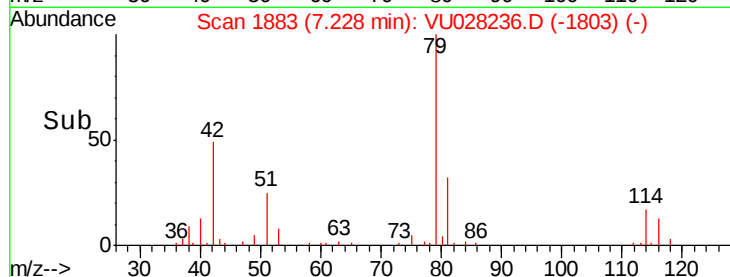
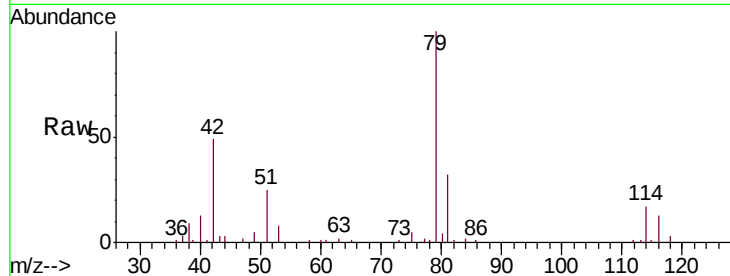




#39
 cis-1,3-Dichloropropene
 Concen: 0.086 ug/L
 RT: 7.23 min Scan# 1883
 Delta R.T. -0.04 min
 Lab File: VU028236.D
 Acq: 17 Nov 2018 19:53

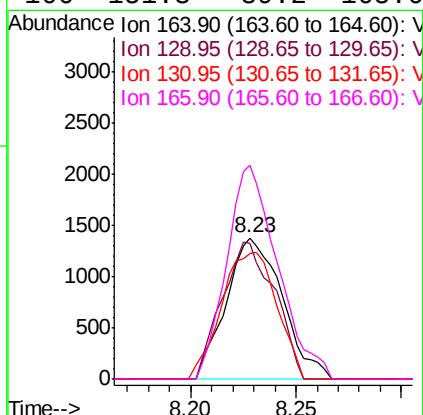
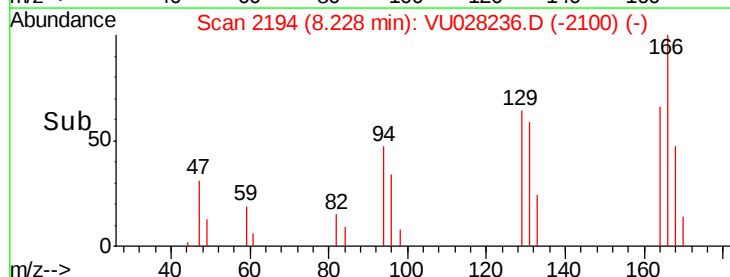
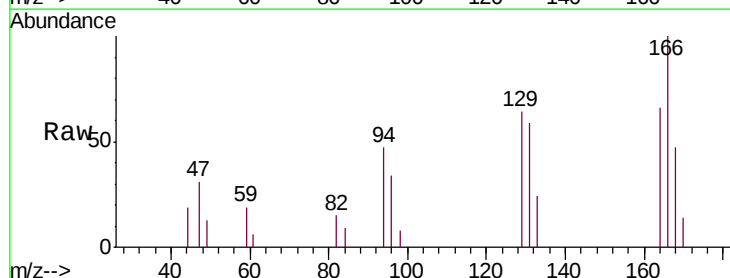
Instrument :
 MSVOA_U
 ClientSampleId :
 H0FJ0DL

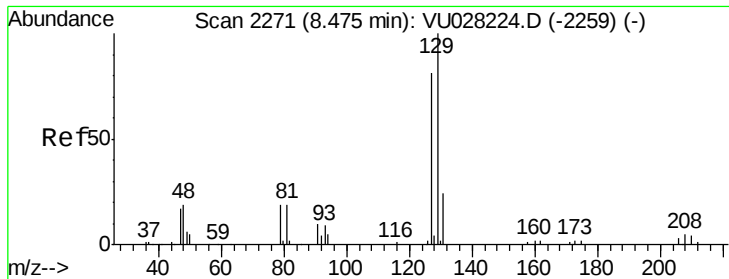
Tgt Ion: 75 Resp: 1433
 Ion Ratio Lower Upper
 75 100
 77 36.7 21.7 40.3



#47
 Tetrachloroethene
 Concen: 0.323 ug/L
 RT: 8.23 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VU028236.D
 Acq: 17 Nov 2018 19:53

Tgt Ion: 164 Resp: 2532
 Ion Ratio Lower Upper
 164 100
 129 96.2 67.6 125.6
 131 88.5 66.3 123.1
 166 151.3 89.2 165.6

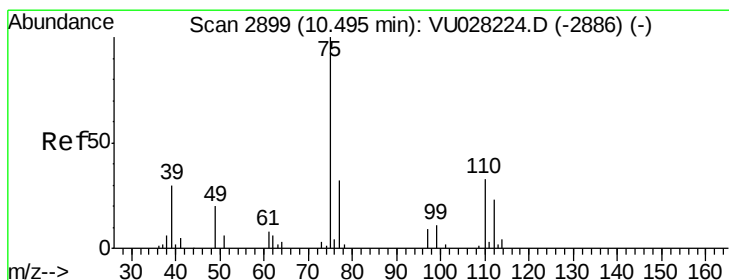
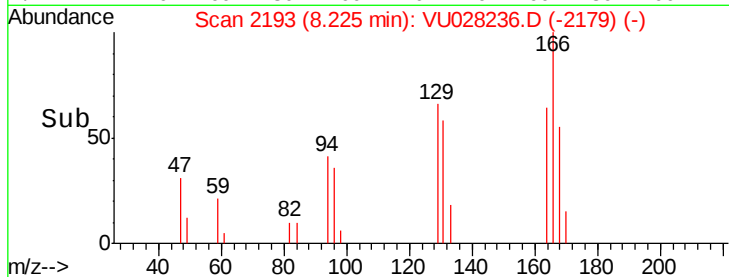
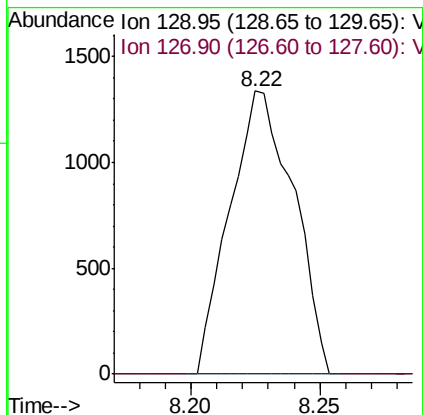
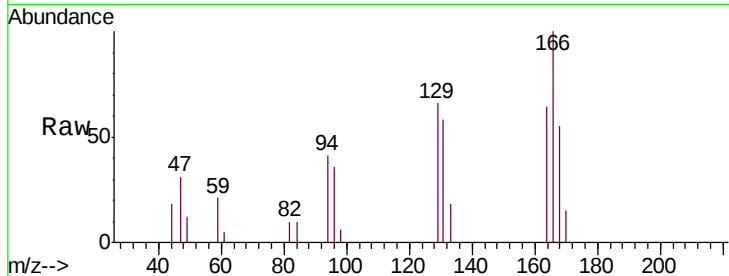




#49
 Dibromochloromethane
 Concen: 0.286 ug/L
 RT: 8.22 min Scan# 2193
 Delta R.T. -0.25 min
 Lab File: VU028236.D
 Acq: 17 Nov 2018 19:53

Instrument :
 MSVOA_U
 ClientSampleId :
 H0FJ0DL

Tgt Ion: 129 Resp: 2302
 Ion Ratio Lower Upper
 129 100
 127 0.0 54.7 101.5#



#59
 1,2,3-Trichloropropane
 Concen: 1.297 ug/L
 RT: 11.48 min Scan# 3206
 Delta R.T. 0.99 min
 Lab File: VU028236.D
 Acq: 17 Nov 2018 19:53

Tgt Ion: 75 Resp: 9878
 Ion Ratio Lower Upper
 75 100
 77 30.9 25.7 38.5

