

Data File : VU028311.D
Acq On : 21 Nov 2018 11:52
Operator : MD/SY
Sample : J5986-19DL 20X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0FP2DL

Quant Time: Nov 21 22:37:04 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 21 22:33:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	170048	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	158725	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	73427	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	66026	5.16	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.20%
7) Chloroethane-d5	1.68	69	49767	4.50	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.00%
11) 1,1-Dichloroethene-d2	2.27	63	93512	3.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.40%
20) 2-Butanone-d5	4.19	46	190333	44.45	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.90%
24) Chloroform-d	4.65	84	107637	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.20%
26) 1,2-Dichloroethane-d4	5.31	65	61544	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.20%
32) Benzene-d6	5.34	84	218742	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
36) 1,2-Dichloropropane-d6	6.33	67	81074	4.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.80%
41) Toluene-d8	7.57	98	189850	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.80%
43) trans-1,3-Dichloropropene-	7.85	79	27982	5.28	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	105.60%
46) 2-Hexanone-d5	8.31	63	130574	41.08	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.16%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	54907	4.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	61327	4.49	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.80%

Target Compounds

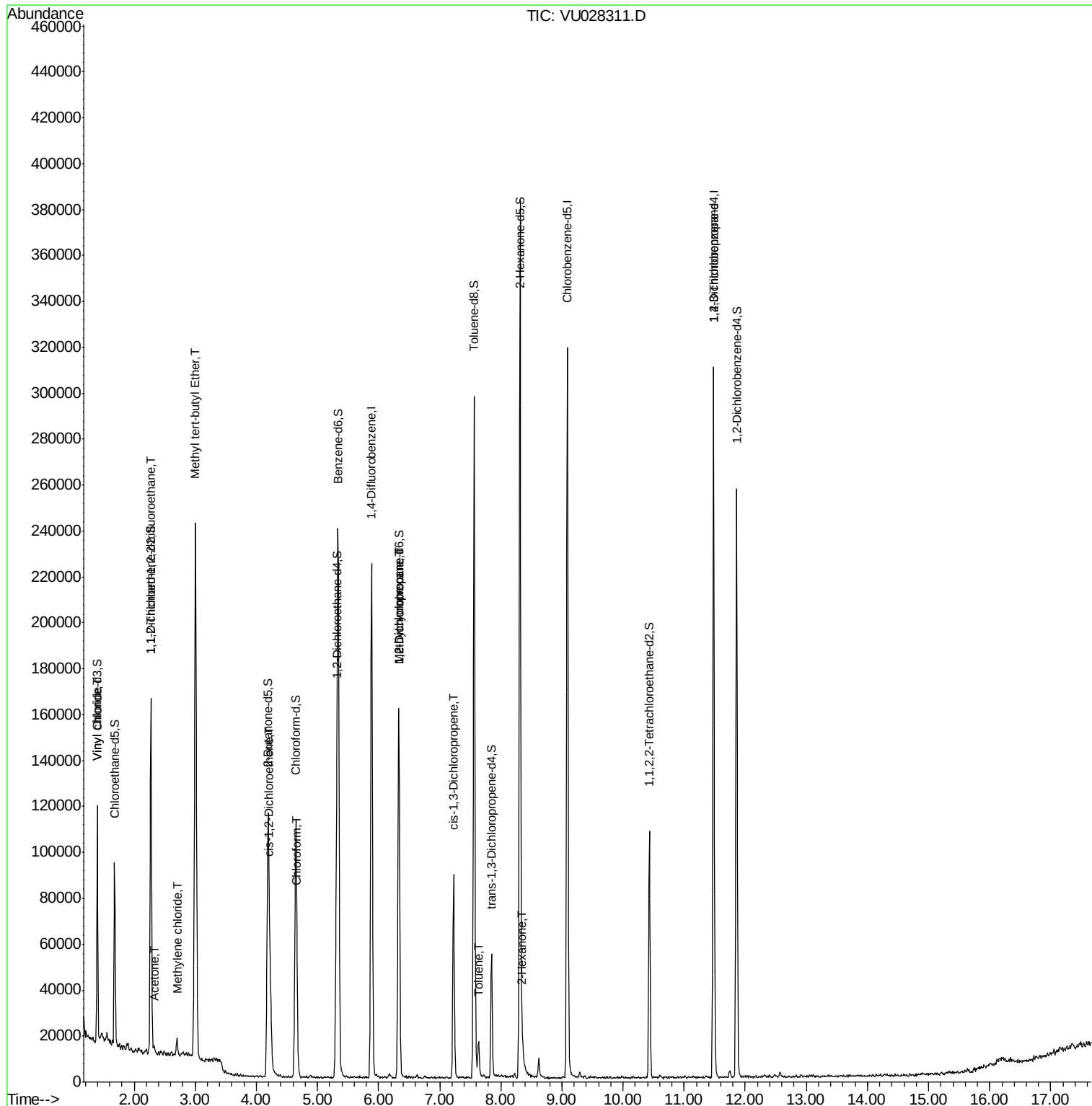
					Qvalue
5) Vinyl chloride	1.40	62	1286	0.075 ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	626	0.057 ug/L #	21
13) Acetone	2.33	43	2222	0.754 ug/L	64
16) Methylene chloride	2.70	84	2784	0.211 ug/L	95
17) Methyl tert-butyl Ether	3.00	73	231075	7.348 ug/L	98
22) cis-1,2-Dichloroethene	4.22	96	12422	0.942 ug/L	80
25) Chloroform	4.67	83	4940	0.177 ug/L	86
35) Methylcyclohexane	6.33	83	16353	0.810 ug/L #	14
37) 1,2-Dichloropropane	6.33	63	7746	0.518 ug/L #	92
39) cis-1,3-Dichloropropene	7.23	75	1974	0.104 ug/L #	52
42) Toluene	7.64	91	10478	0.197 ug/L	89
48) 2-Hexanone	8.36	43	2401	0.315 ug/L #	81
59) 1,2,3-Trichloropropane	11.48	75	10673	1.236 ug/L	96

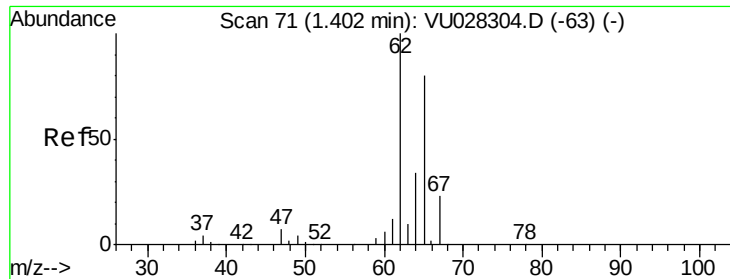
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.075 ug/L

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028311.D

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Instrument :

MSVOA_U

ClientSampleId :

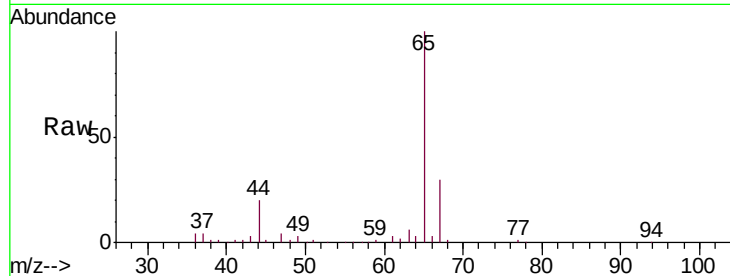
H0FP2DL

Tgt Ion: 62 Resp: 1286

Ion Ratio Lower Upper

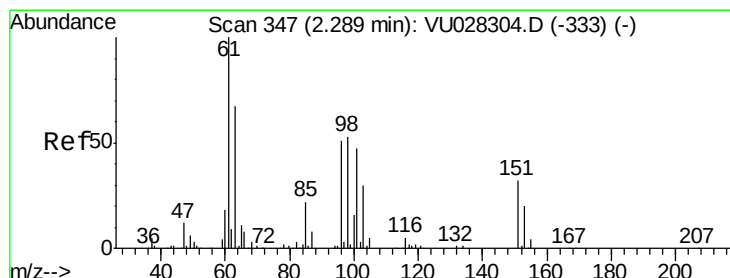
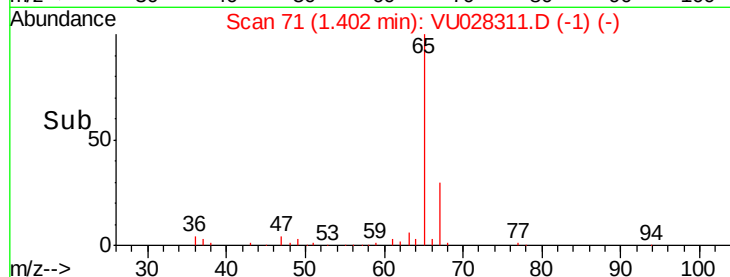
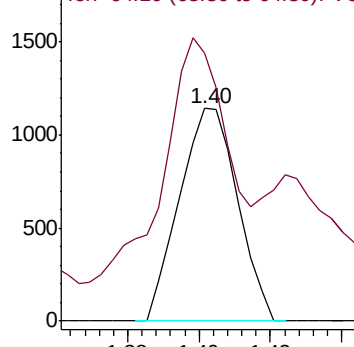
62 100

64 125.9 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: 0.057 ug/L

RT: 2.27 min Scan# 342

Delta R.T. -0.02 min

Lab File: VU028311.D

Acq: 21 Nov 2018 11:52

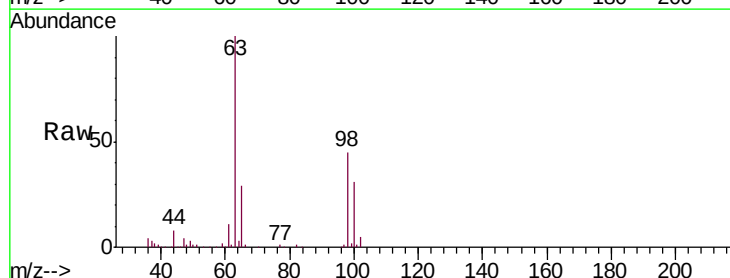
Tgt Ion: 101 Resp: 626

Ion Ratio Lower Upper

101 100

85 0.0 37.4 56.2#

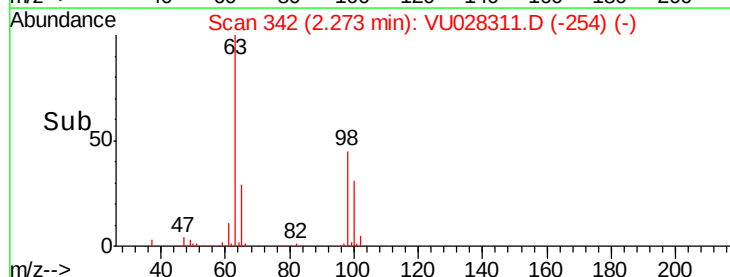
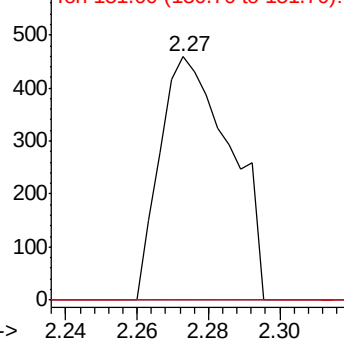
151 0.0 55.0 82.4#

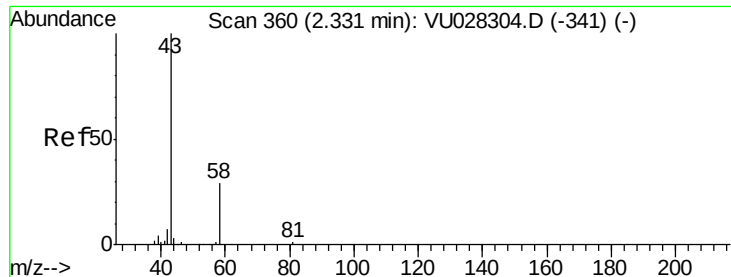


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#13

Acetone

Concen: 0.754 ug/L

RT: 2.33 min Scan# 359

Delta R.T. -0.00 min

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Instrument :

MSVOA_U

ClientSampleId :

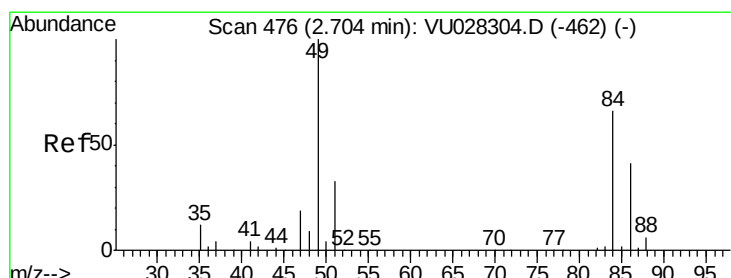
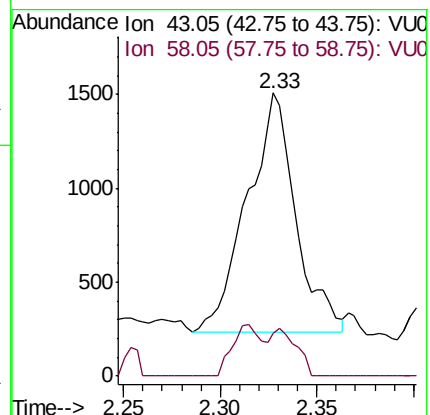
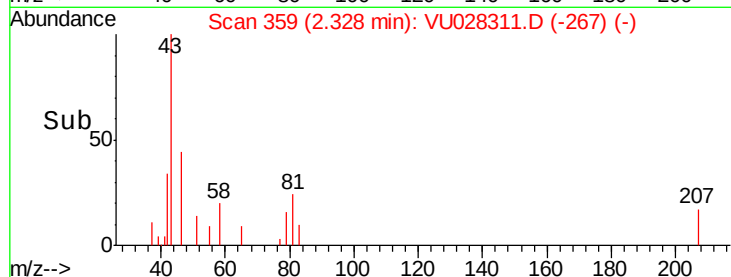
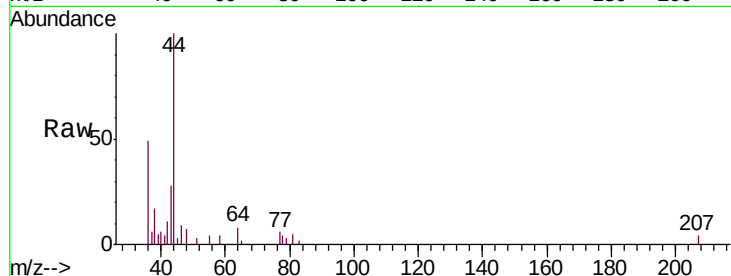
H0FP2DL

Tgt Ion: 43 Resp: 2222

Ion Ratio Lower Upper

43 100

58 9.9 0.0 58.6



#16

Methylene chloride

Concen: 0.211 ug/L

RT: 2.70 min Scan# 475

Delta R.T. -0.00 min

Lab File: VU028311.D

Acq: 21 Nov 2018 11:52

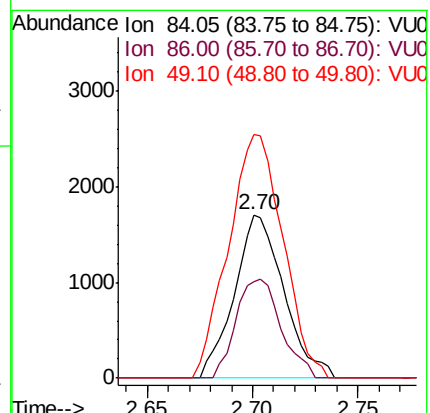
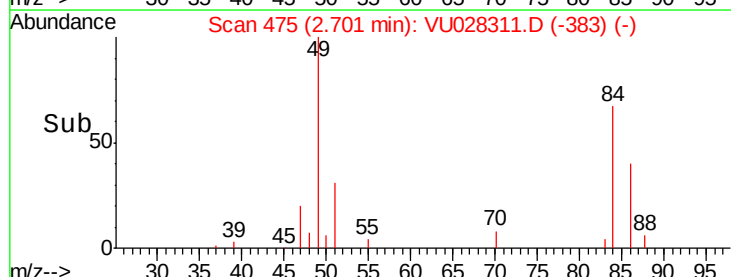
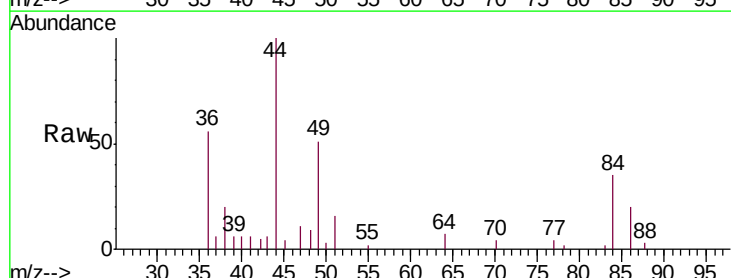
Tgt Ion: 84 Resp: 2784

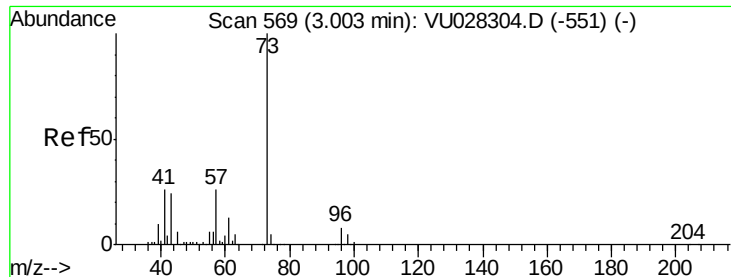
Ion Ratio Lower Upper

84 100

86 59.2 45.3 84.1

49 148.9 107.9 200.5

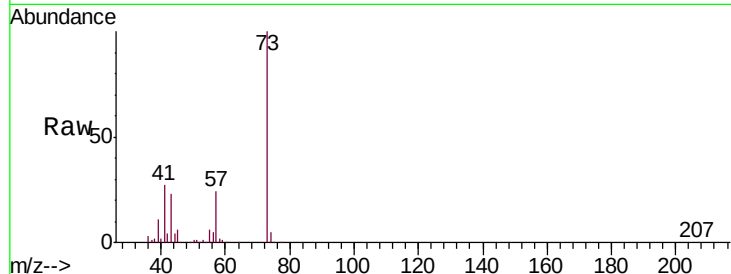




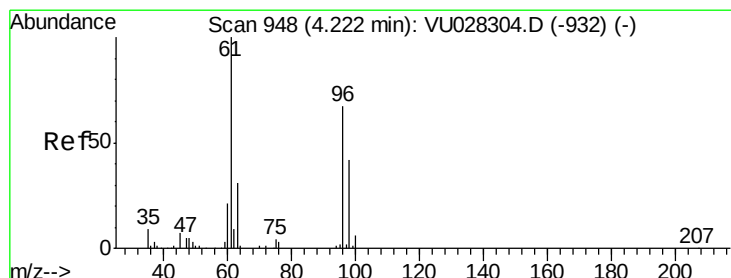
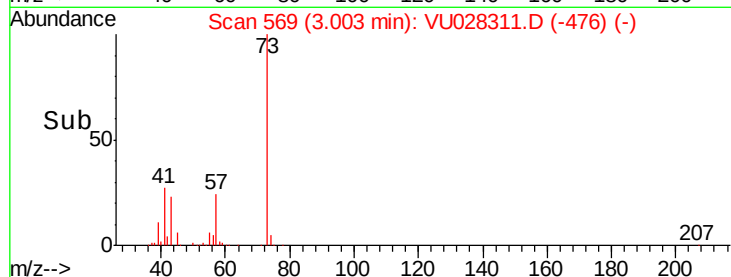
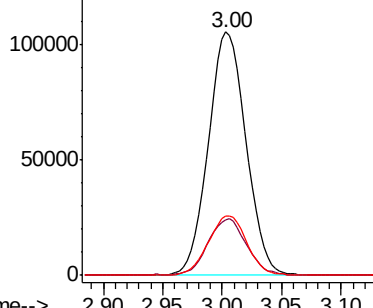
#17
Methyl tert-butyl Ether
Concen: 7.348 ug/L
RT: 3.00 min Scan# 569
Delta R.T. -0.00 min
Lab File: VU028311.D
Acq: 21 Nov 2018 11:52

Instrument :
MSVOA_U
ClientSampleId :
H0FP2DL

Tgt Ion	Ratio	Lower	Upper
73	100		
43	23.1	18.8	28.2
57	25.0	19.2	28.8

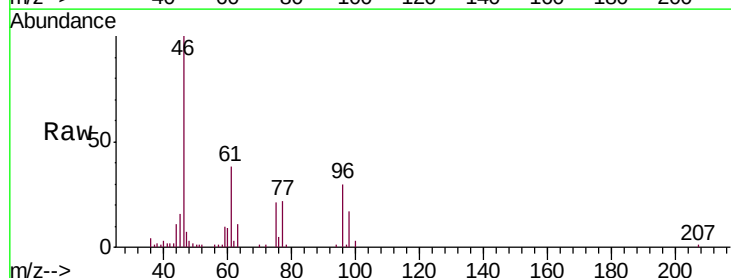


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

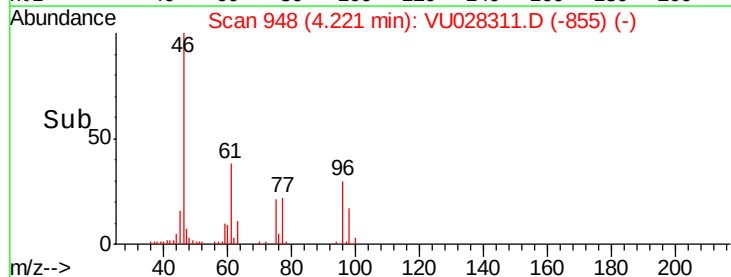
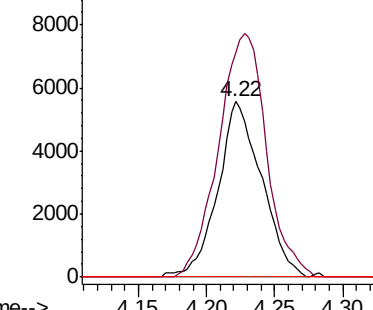


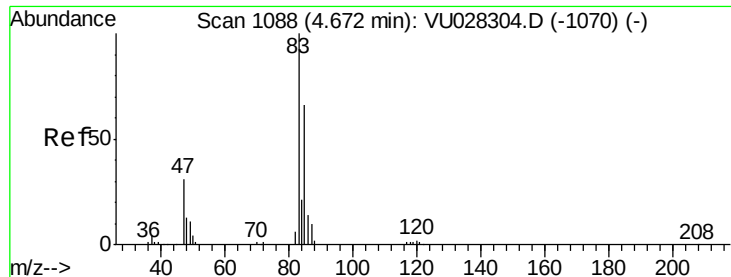
#22
cis-1,2-Dichloroethene
Concen: 0.942 ug/L
RT: 4.22 min Scan# 948
Delta R.T. -0.00 min
Lab File: VU028311.D
Acq: 21 Nov 2018 11:52

Tgt Ion	Ratio	Lower	Upper
96	100		
61	128.3	108.0	200.6
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

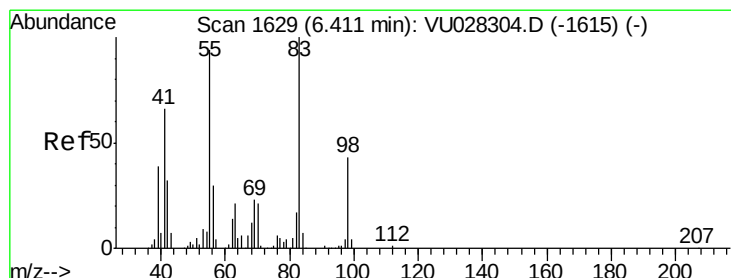
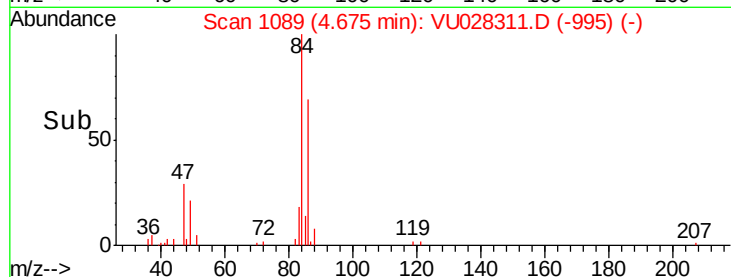
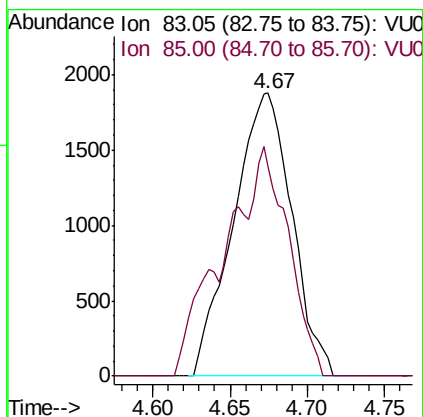
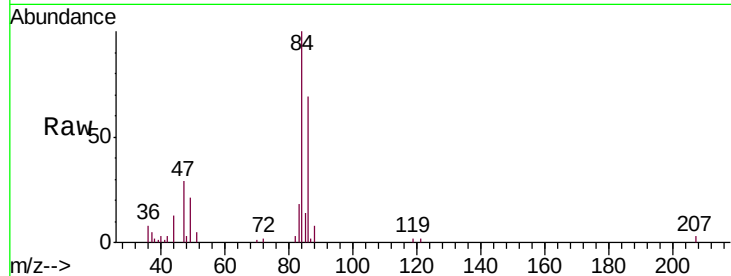




#25
Chloroform
Concen: 0.177 ug/L
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU028311.D
Acq: 21 Nov 2018 11:52

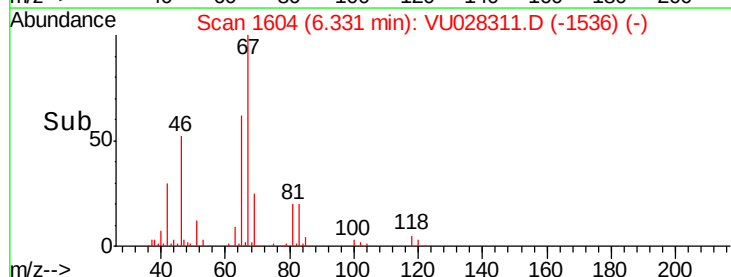
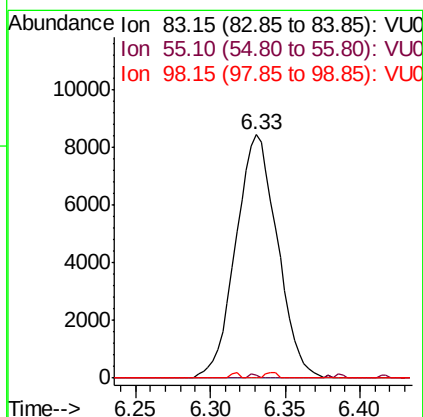
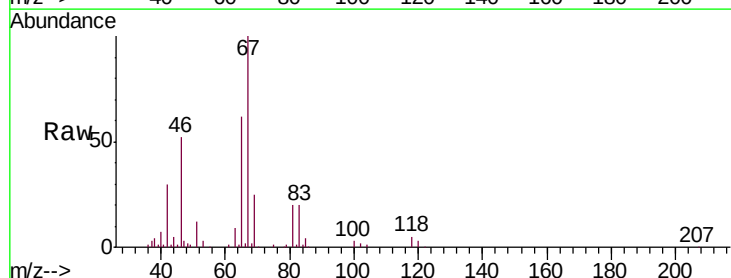
Instrument :
MSVOA_U
ClientSampleId :
H0FP2DL

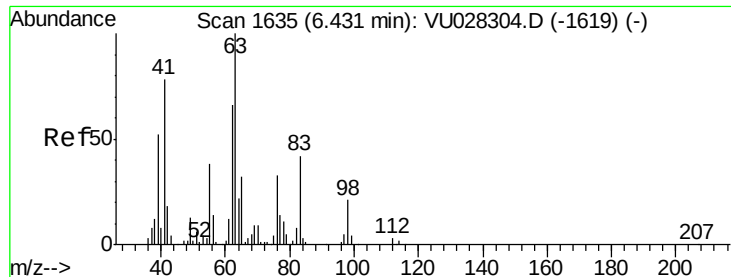
Tgt Ion: 83 Resp: 4940
Ion Ratio Lower Upper
83 100
85 74.3 44.6 82.8



#35
Methylcyclohexane
Concen: 0.810 ug/L
RT: 6.33 min Scan# 1604
Delta R.T. -0.08 min
Lab File: VU028311.D
Acq: 21 Nov 2018 11:52

Tgt Ion: 83 Resp: 16353
Ion Ratio Lower Upper
83 100
55 0.3 73.2 109.8#
98 0.6 33.4 50.2#

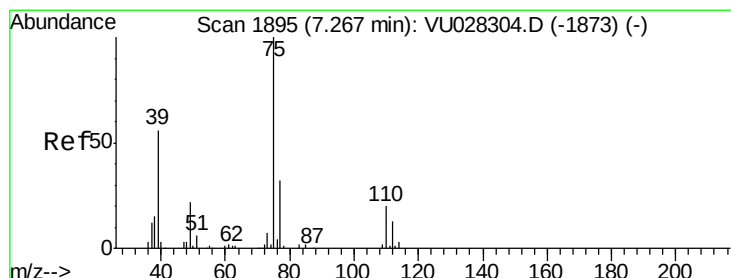
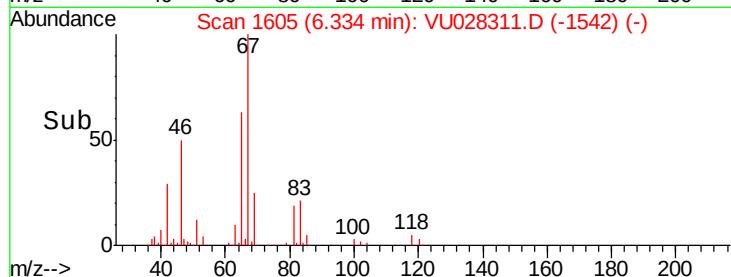
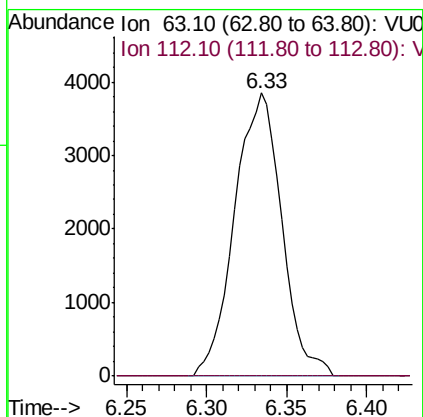
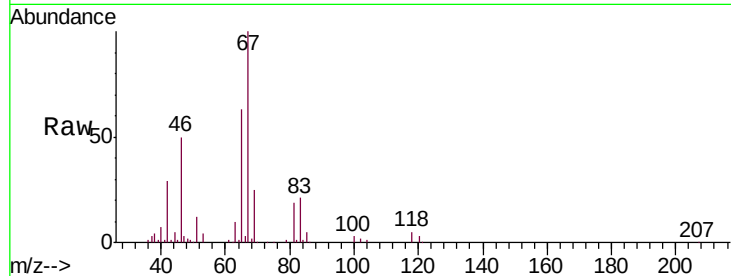




#37
 1,2-Dichloropropane
 Concen: 0.518 ug/L
 RT: 6.33 min Scan# 1605
 Delta R.T. -0.10 min
 Lab File: VU028311.D
 Acq: 21 Nov 2018 11:52

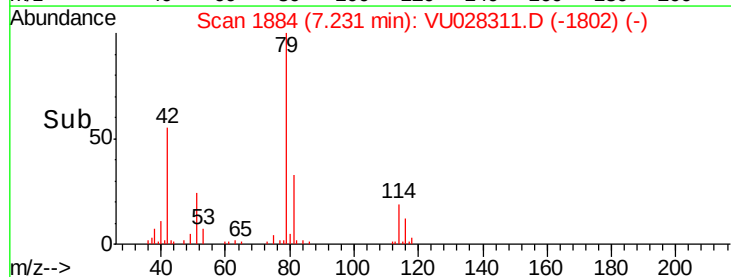
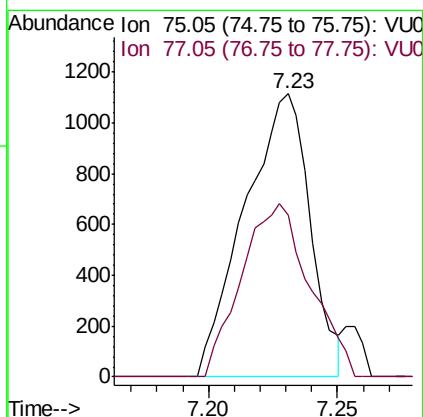
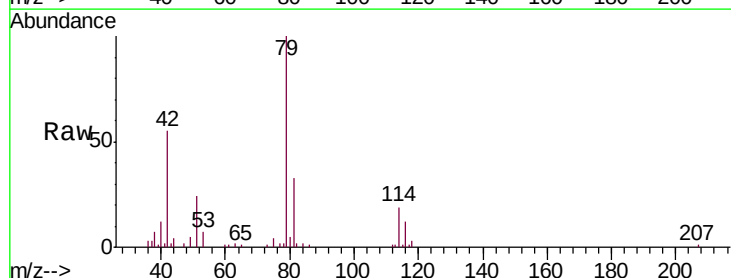
Instrument :
 MSVOA_U
 ClientSampleId :
 H0FP2DL

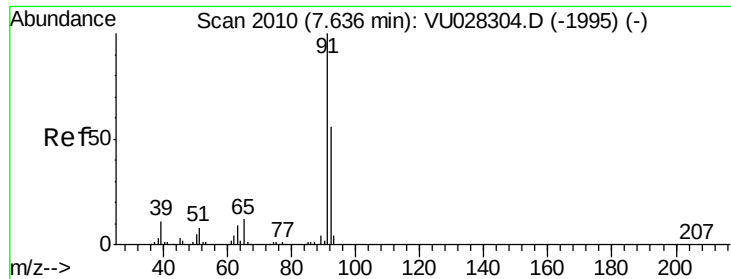
Tgt Ion: 63 Resp: 7746
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.2 3.2#



#39
 cis-1,3-Dichloropropene
 Concen: 0.104 ug/L
 RT: 7.23 min Scan# 1884
 Delta R.T. -0.04 min
 Lab File: VU028311.D
 Acq: 21 Nov 2018 11:52

Tgt Ion: 75 Resp: 1974
 Ion Ratio Lower Upper
 75 100
 77 57.2 21.7 40.3#





#42

Toluene

Concen: 0.197 ug/L

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028311.D

Acq: 21 Nov 2018 11:52

Instrument :

MSVOA_U

ClientSampleId :

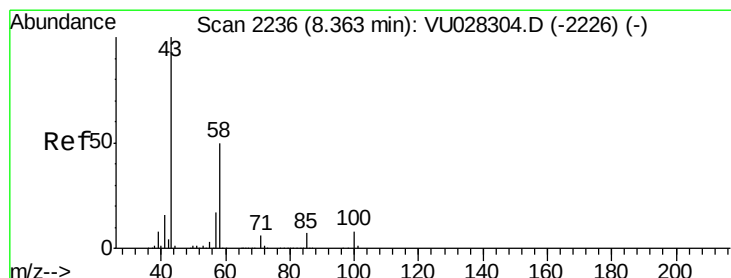
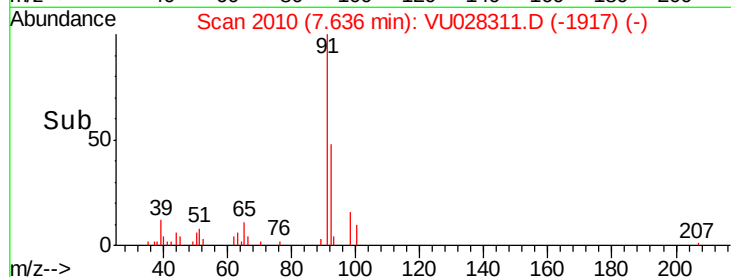
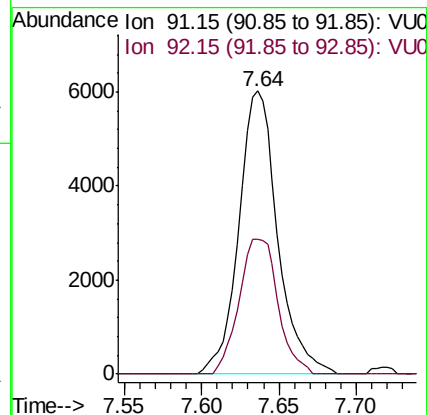
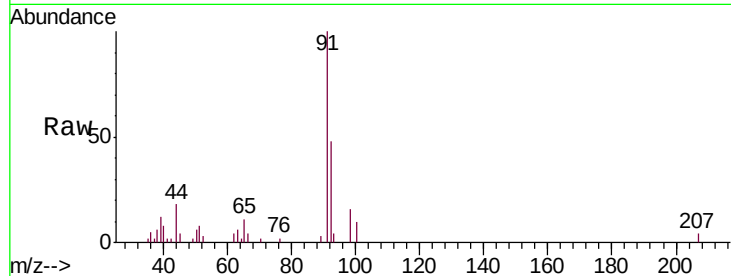
H0FP2DL

Tgt Ion: 91 Resp: 10478

Ion Ratio Lower Upper

91 100

92 47.8 39.0 72.4



#48

2-Hexanone

Concen: 0.315 ug/L

RT: 8.36 min Scan# 2235

Delta R.T. -0.00 min

Lab File: VU028311.D

Acq: 21 Nov 2018 11:52

Tgt Ion: 43 Resp: 2401

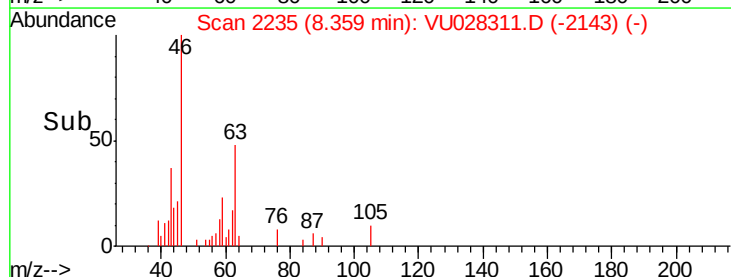
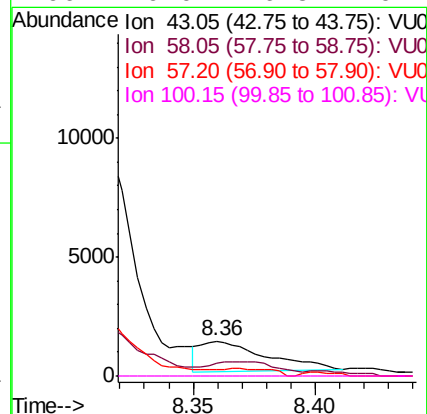
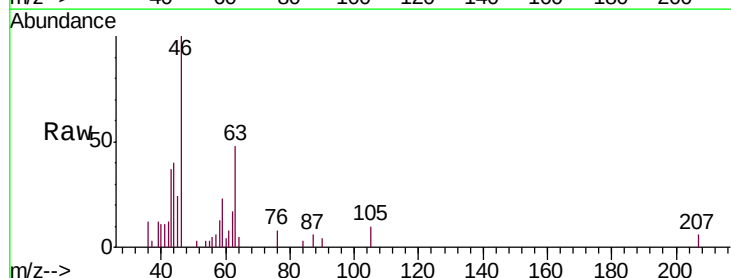
Ion Ratio Lower Upper

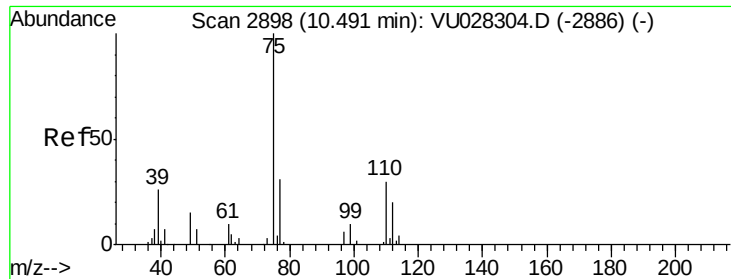
43 100

58 34.3 41.1 61.7#

57 17.6 13.8 20.8

100 0.0 6.5 9.7#





#59

1,2,3-Trichloropropane

Concen: 1.236 ug/L

RT: 11.48 min Scan# 3206

Delta R.T. 0.99 min

Lab File: VU028311.D

Acq: 21 Nov 2018 11:52

Instrument :

MSVOA_U

ClientSampleId :

H0FP2DL

Tgt Ion: 75 Resp: 10673

Ion Ratio Lower Upper

75 100

77 34.2 25.7 38.5

