

Data File : VU033327.D
Acq On : 18 Jul 2019 19:03
Operator : JC/SP
Sample : K3863-15
Misc : 6.07g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
A52F5

Quant Time: Jul 19 01:49:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 19 01:43:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	384555	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	377485	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	205217	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	127765	43.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.78%
7) Chloroethane-d5	1.63	69	88919	35.75	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	71.50%
11) 1,1-Dichloroethene-d2	2.22	63	218984	41.47	ug/L	-0.04
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.94%
21) 2-Butanone-d5	4.16	46	203675	110.42	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.42%
24) Chloroform-d	4.62	84	228815	46.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.80%
26) 1,2-Dichloroethane-d4	5.28	65	155906	49.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.66%
32) Benzene-d6	5.31	84	492050	53.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.26%
36) 1,2-Dichloropropane-d6	6.31	67	155000	52.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.50%
41) Toluene-d8	7.54	98	451145	51.66	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.32%
43) trans-1,3-Dichloropropene-	7.83	79	76136	52.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.68%
47) 2-Hexanone-d5	8.31	63	166061	124.18	ug/L	0.01
Spiked Amount	100.000	Range	45 - 130	Recovery	=	124.18%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	249505	55.57	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	111.14%
64) 1,2-Dichlorobenzene-d4	11.85	152	201500	55.06	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.12%

Target Compounds

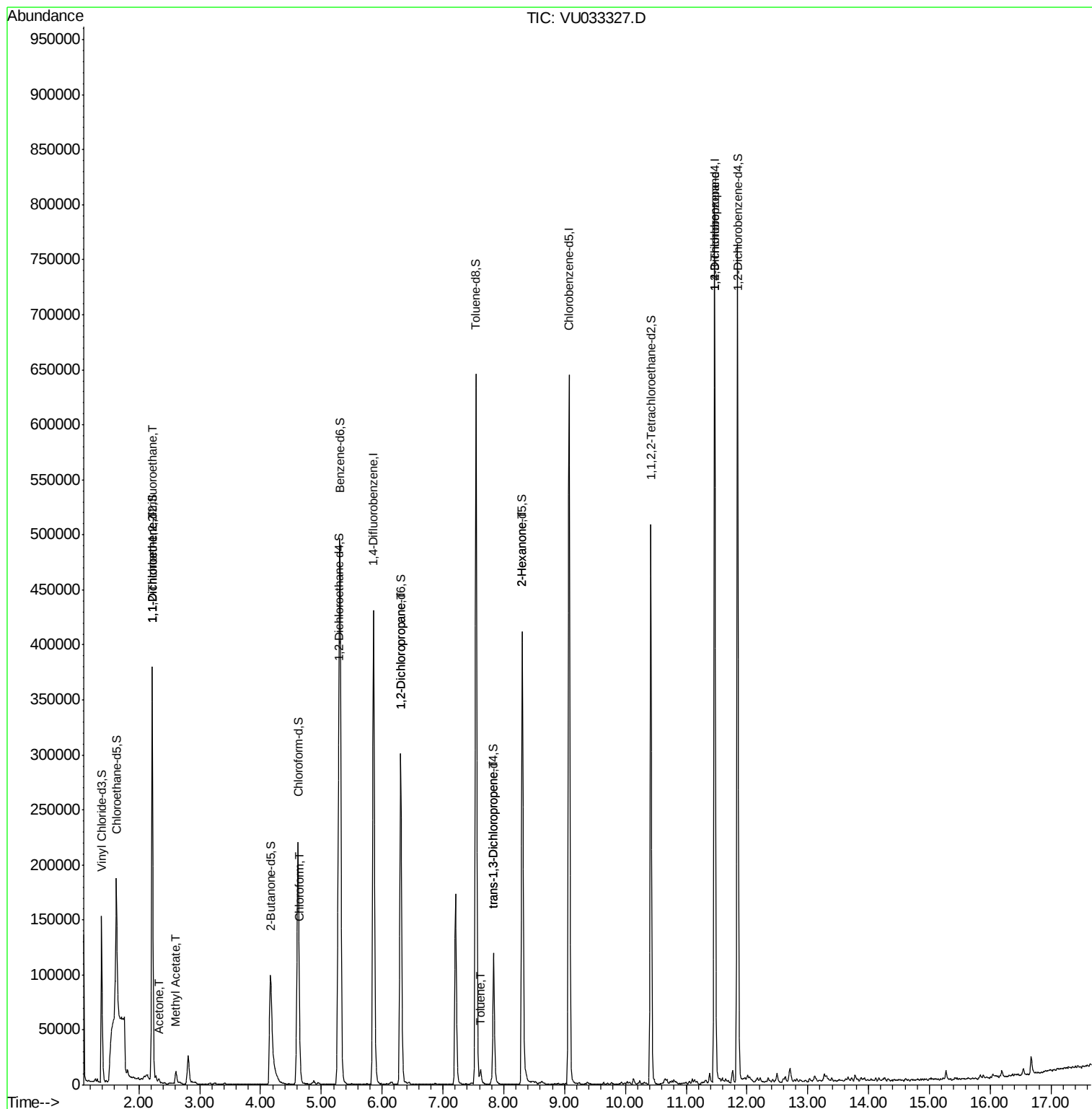
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.22	101	1836	0.700 ug/L #	21
12) 1,1-Dichloroethene	2.22	96	1650	0.643 ug/L #	1
13) Acetone	2.33	43	4472	1.940 ug/L	99
15) Methyl Acetate	2.61	43	14708	4.887 ug/L	96
25) Chloroform	4.65	83	4697	0.866 ug/L	99
37) 1,2-Dichloropropane	6.31	63	16310	5.463 ug/L #	89
42) Toluene	7.62	91	9707	0.818 ug/L	94
44) trans-1,3-Dichloropropene	7.84	75	3437	0.833 ug/L	94
48) 2-Hexanone	8.31	43	18504	5.671 ug/L #	69
59) 1,2,3-Trichloropropane	11.47	75	24074	6.194 ug/L	89

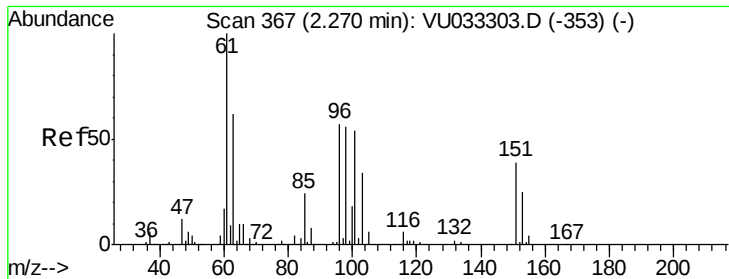
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.700 ug/L

RT: 2.22 min Scan# 351

Delta R.T. -0.05 min

Lab File: VU033327.D

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Instrument :

MSVOA_U

ClientSampleId :

A52F5

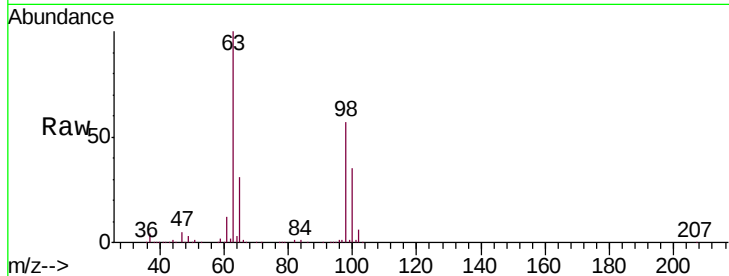
Tgt Ion: 101 Resp: 1836

Ion Ratio Lower Upper

101 100

85 0.0 35.8 53.8#

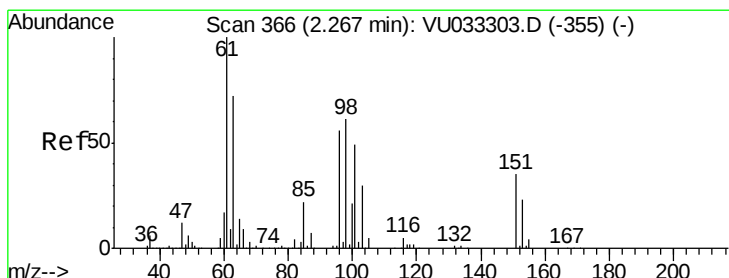
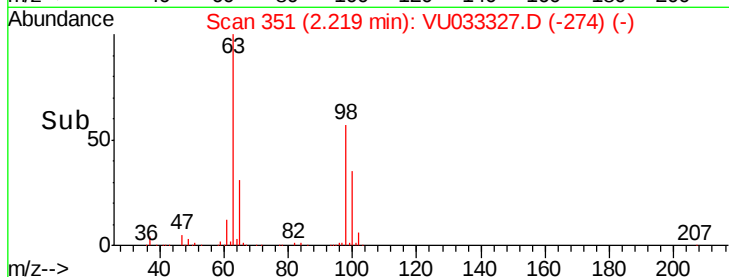
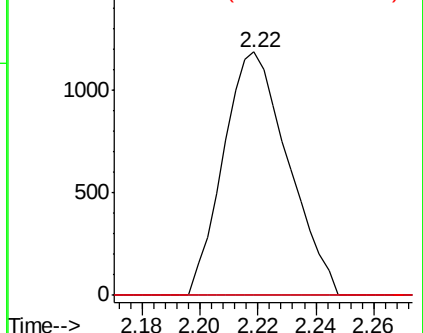
151 0.0 56.7 85.1#



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: 0.643 ug/L

RT: 2.22 min Scan# 351

Delta R.T. -0.05 min

Lab File: VU033327.D

Acq: 18 Jul 2019 19:03

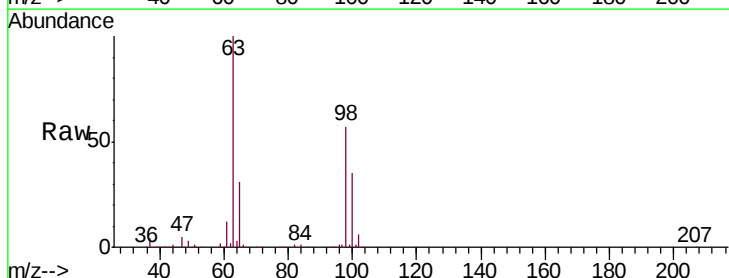
Tgt Ion: 96 Resp: 1650

Ion Ratio Lower Upper

96 100

61 1603.7 126.1 234.1#

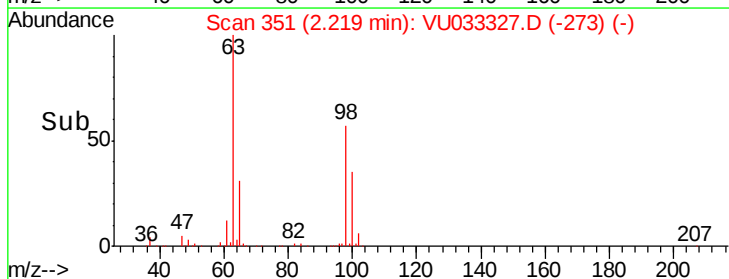
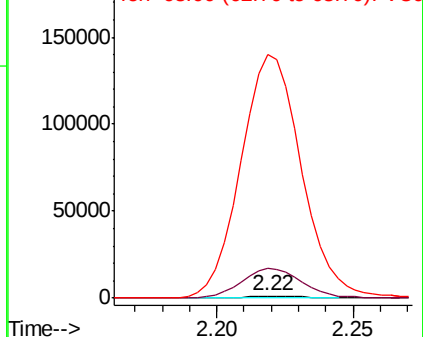
63 13111.6 96.8 179.8#

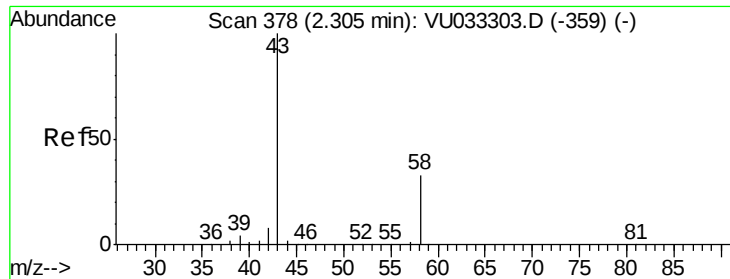


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.940 ug/L

RT: 2.33 min Scan# 386

Delta R.T. 0.03 min

Lab File: VU033327.D

Acq: 18 Jul 2019 19:03

Instrument :

MSVOA_U

ClientSampleId :

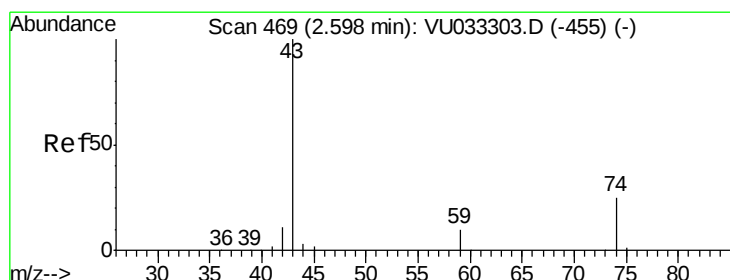
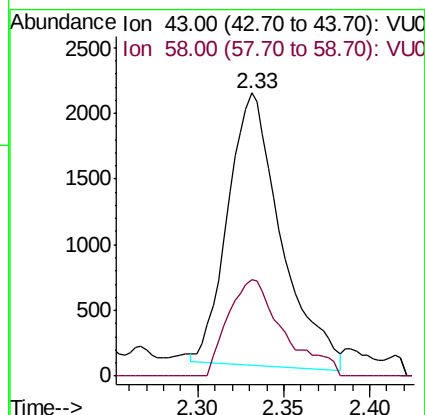
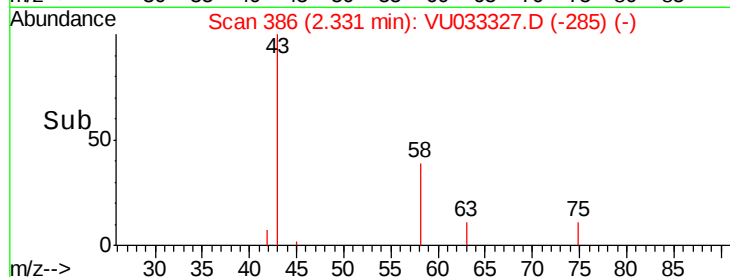
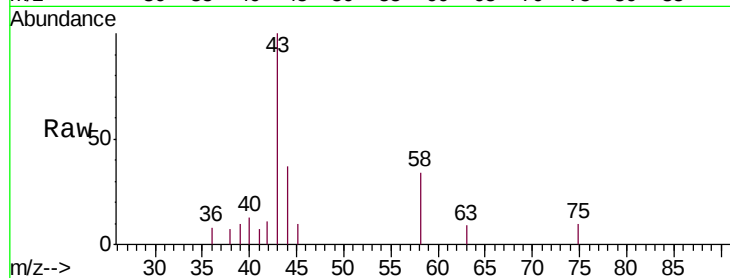
A52F5

Tgt Ion: 43 Resp: 4472

Ion Ratio Lower Upper

43 100

58 32.2 0.0 65.4



#15

Methyl Acetate

Concen: 4.887 ug/L

RT: 2.61 min Scan# 472

Delta R.T. 0.01 min

Lab File: VU033327.D

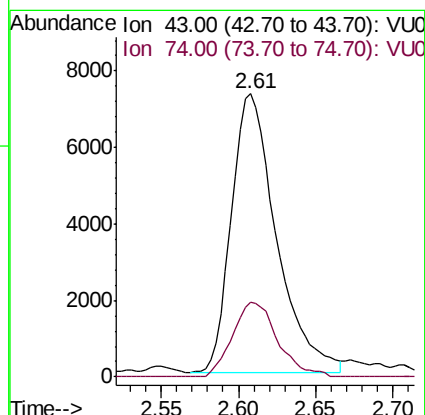
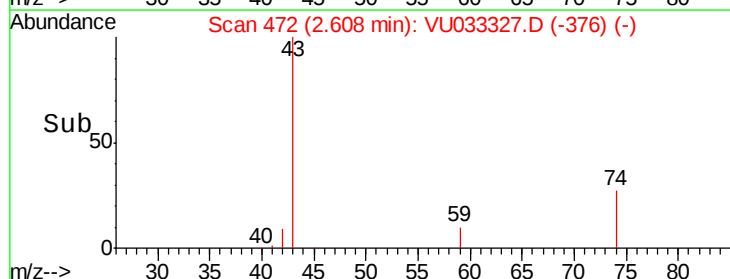
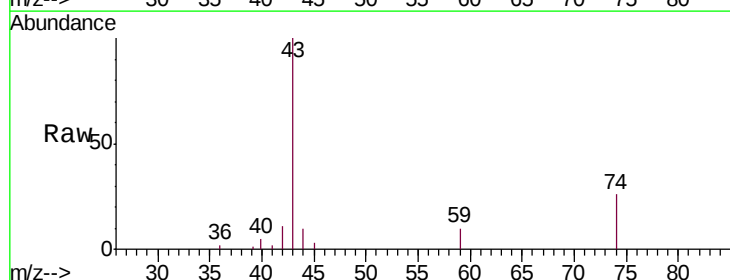
Acq: 18 Jul 2019 19:03

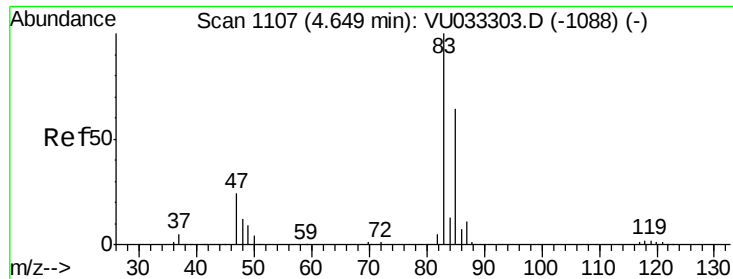
Tgt Ion: 43 Resp: 14708

Ion Ratio Lower Upper

43 100

74 26.8 19.9 29.9

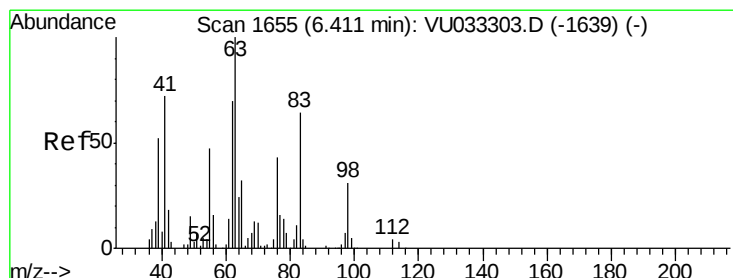
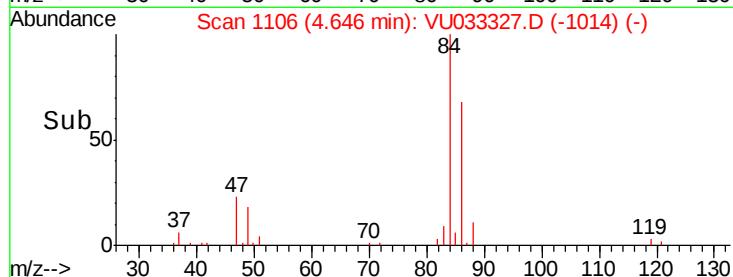
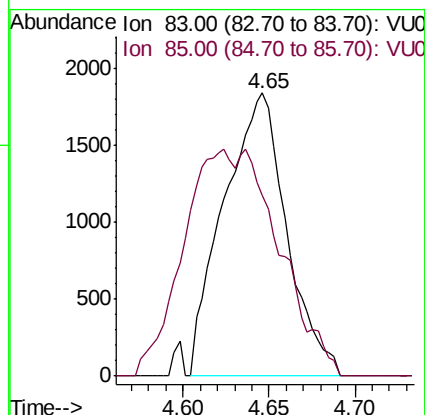
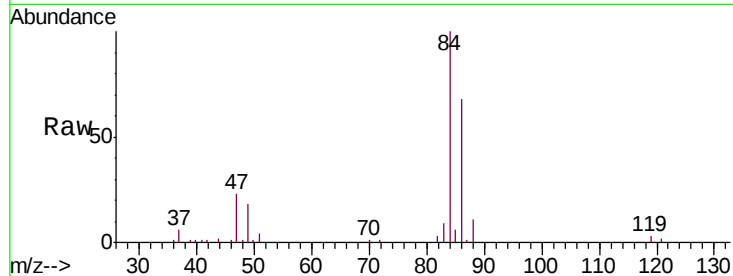




#25
Chloroform
Concen: 0.866 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU033327.D
Acq: 18 Jul 2019 19:03

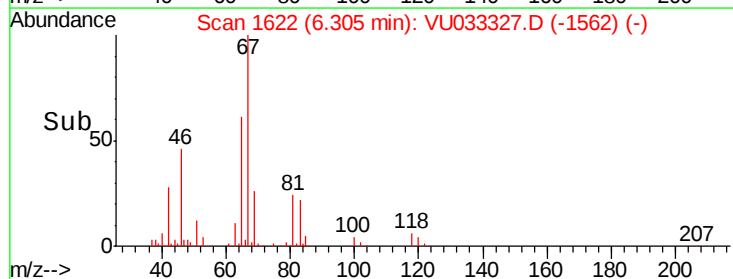
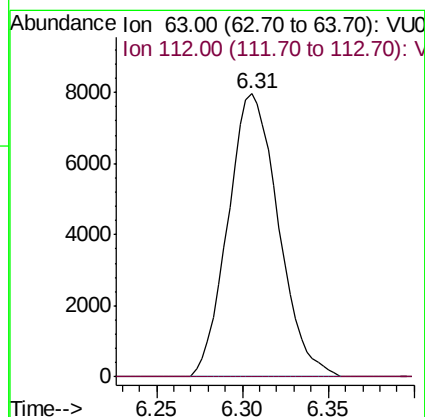
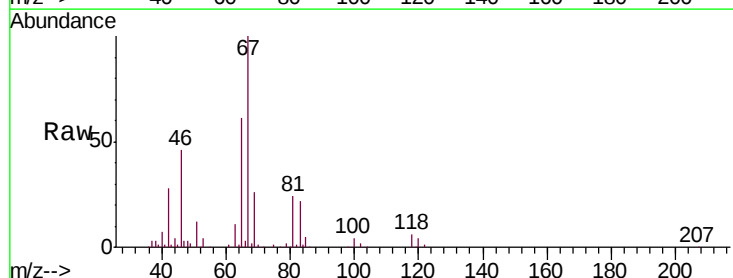
Instrument :
MSVOA_U
ClientSampleId :
A52F5

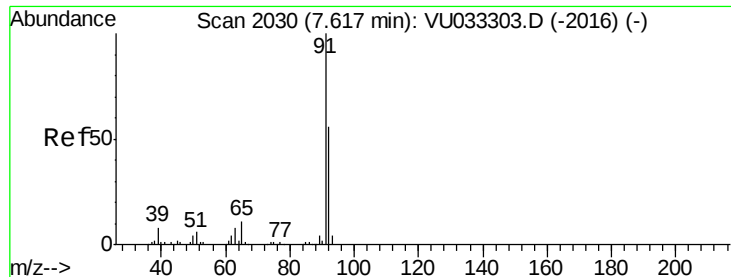
Tgt Ion: 83 Resp: 4697
Ion Ratio Lower Upper
83 100
85 64.1 45.4 84.4



#37
1,2-Dichloropropane
Concen: 5.463 ug/L
RT: 6.31 min Scan# 1622
Delta R.T. -0.11 min
Lab File: VU033327.D
Acq: 18 Jul 2019 19:03

Tgt Ion: 63 Resp: 16310
Ion Ratio Lower Upper
63 100
112 0.4 3.2 4.8#





#42

Toluene

Concen: 0.818 ug/L

RT: 7.62 min Scan# 2031

Delta R.T. 0.00 min

Lab File: VU033327.D

Acq: 18 Jul 2019 19:03

Instrument :

MSVOA_U

ClientSampled :

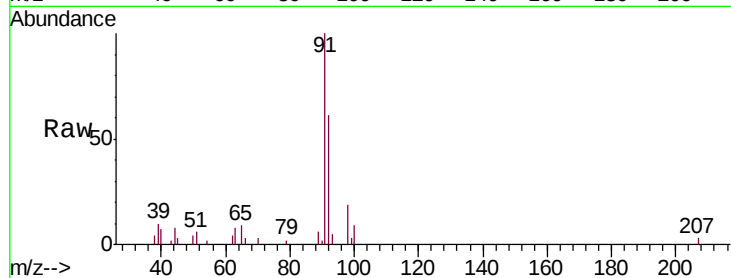
A52F5

Tgt Ion: 91 Resp: 9707

Ion Ratio Lower Upper

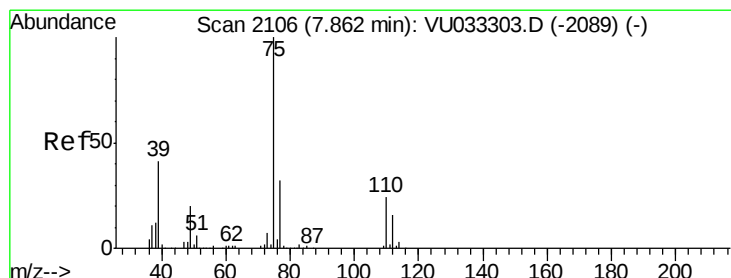
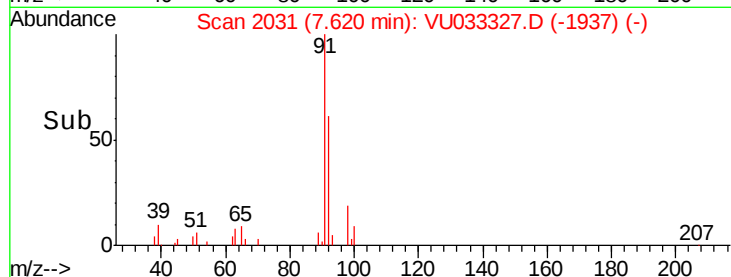
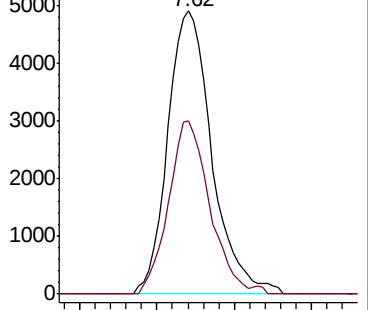
91 100

92 61.0 39.8 74.0



Abundance Ion 91.00 (90.70 to 91.70): VU033327.D (-1937) (-)

Ion 92.00 (91.70 to 92.70): VU033327.D (-1937) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.833 ug/L

RT: 7.84 min Scan# 2098

Delta R.T. -0.03 min

Lab File: VU033327.D

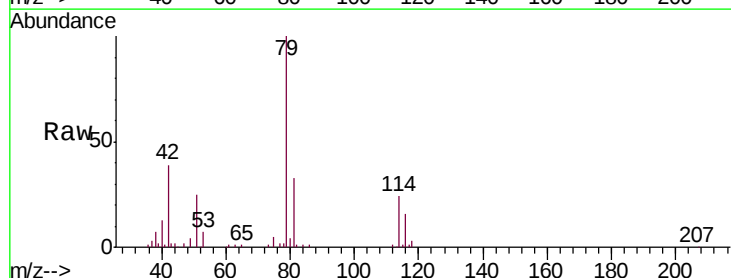
Acq: 18 Jul 2019 19:03

Tgt Ion: 75 Resp: 3437

Ion Ratio Lower Upper

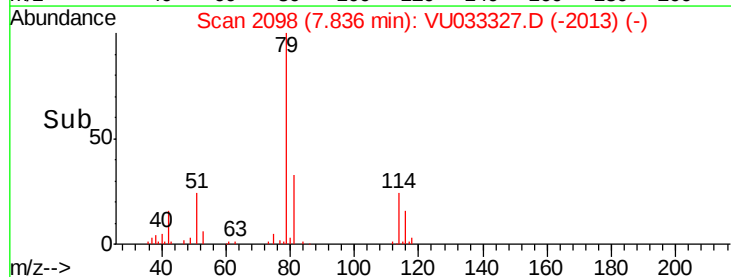
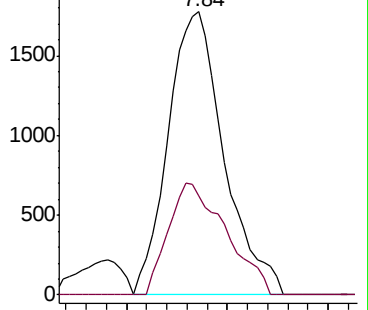
75 100

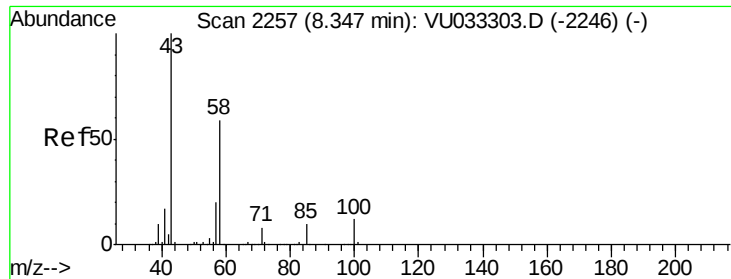
77 35.2 22.4 41.6



Abundance Ion 75.00 (74.70 to 75.70): VU033327.D (-2013) (-)

Ion 77.00 (76.70 to 77.70): VU033327.D (-2013) (-)

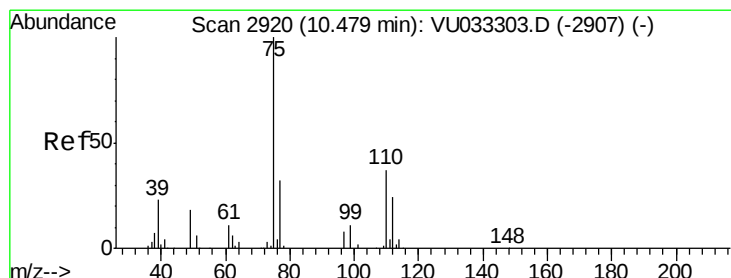
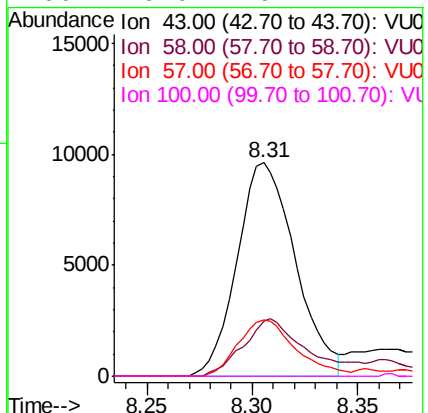
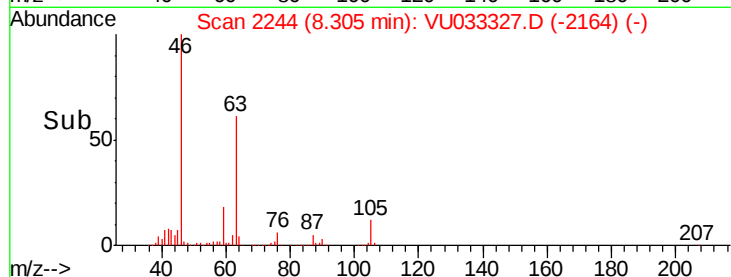
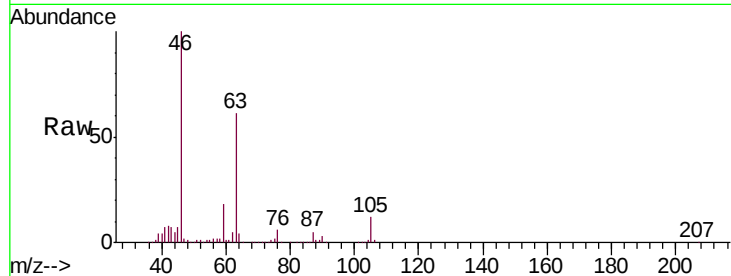




#48
 2-Hexanone
 Concen: 5.671 ug/L
 RT: 8.31 min Scan# 2244
 Delta R.T. -0.04 min
 Lab File: VU033327.D
 Acq: 18 Jul 2019 19:03

Instrument :
 MSVOA_U
 ClientSampleId :
 A52F5

Tgt Ion: 43 Resp: 18504
 Ion Ratio Lower Upper
 43 100
 58 29.8 46.1 69.1#
 57 26.2 15.8 23.8#
 100 0.0 9.4 14.2#



#59
 1,2,3-Trichloropropane
 Concen: 6.194 ug/L
 RT: 11.47 min Scan# 3228
 Delta R.T. 0.99 min
 Lab File: VU033327.D
 Acq: 18 Jul 2019 19:03

Tgt Ion: 75 Resp: 24074
 Ion Ratio Lower Upper
 75 100
 77 38.6 26.0 39.0

