

Data File : VU029407.D
Acq On : 11 Feb 2019 19:32
Operator : JC/SP
Sample : K1436-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ESXA1

Quant Time: Feb 12 01:25:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Feb 12 01:17:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	207881	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	191900	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	103847	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	71167	4.62	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.40%
7) Chloroethane-d5	1.68	69	61350	4.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.20%
11) 1,1-Dichloroethene-d2	2.27	63	115827	3.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.20%
20) 2-Butanone-d5	4.19	46	148035	53.57	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.14%
24) Chloroform-d	4.65	84	114444	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
26) 1,2-Dichloroethane-d4	5.31	65	58797	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.40%
32) Benzene-d6	5.34	84	243596	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.60%
36) 1,2-Dichloropropane-d6	6.33	67	71642	5.16	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.20%
41) Toluene-d8	7.56	98	236922	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.60%
43) trans-1,3-Dichloropropene-	7.85	79	29625	4.60	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.00%
46) 2-Hexanone-d5	8.31	63	149142	54.21	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.42%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	58801	5.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	100071	5.27	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.40%

Target Compounds

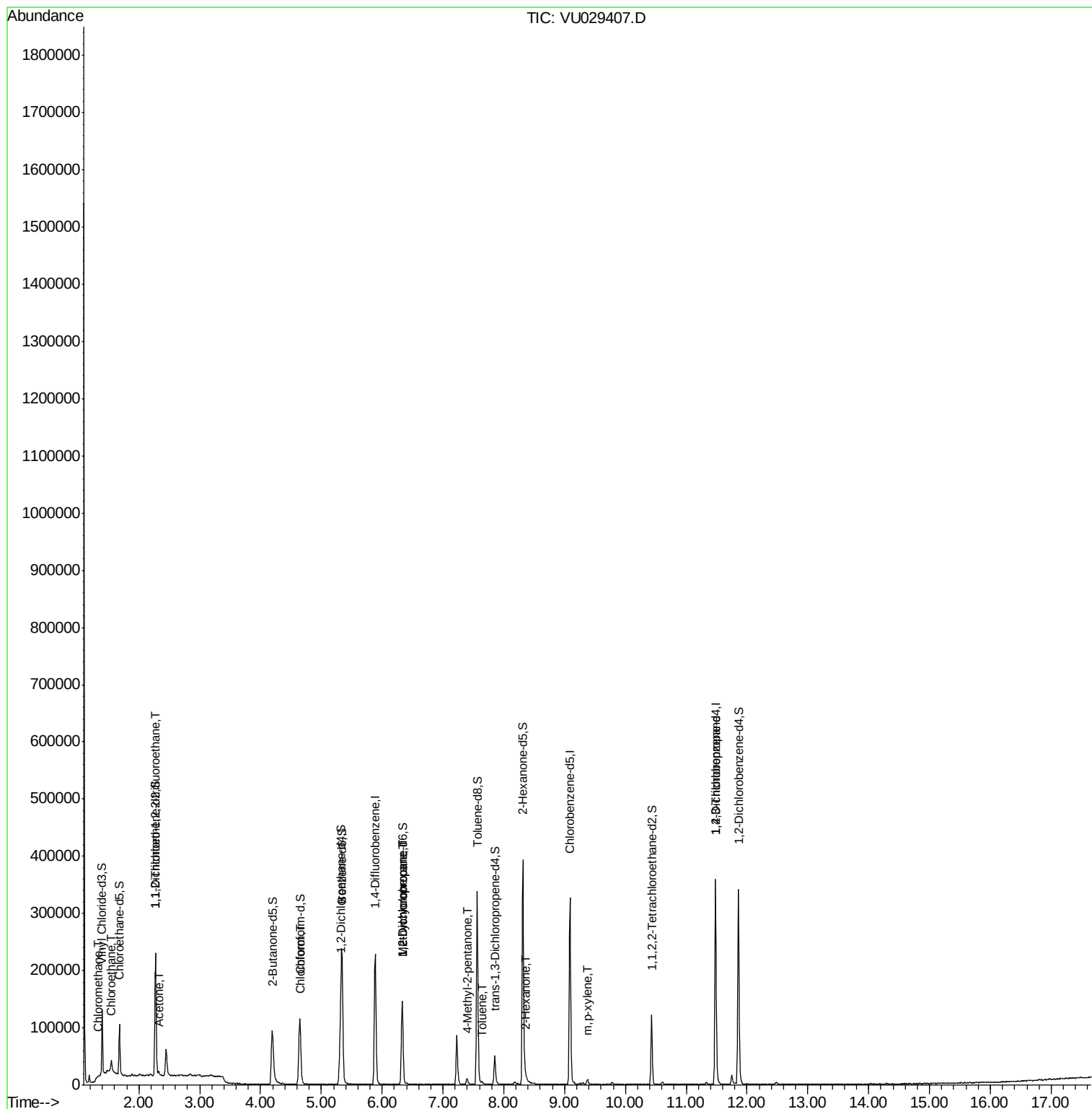
					Qvalue
3) Chloromethane	1.32	50	1268	0.080 ug/L #	74
8) Chloroethane	1.55	64	34379	3.097 ug/L #	52
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1378	0.085 ug/L #	18
13) Acetone	2.32	43	5970	2.700 ug/L	88
25) Chloroform	4.67	83	2091	0.087 ug/L	89
35) Methylcyclohexane	6.33	83	16798	0.699 ug/L #	24
37) 1,2-Dichloropropane	6.33	63	7706	0.619 ug/L #	87
40) 4-Methyl-2-pentanone	7.40	43	5633	0.800 ug/L #	42
42) Toluene	7.64	91	2305	0.041 ug/L	95
48) 2-Hexanone	8.37	43	2978	0.611 ug/L #	68
53) m,p-xylene	9.37	106	2802	0.110 ug/L	95
59) 1,2,3-Trichloropropane	11.48	75	11040	1.396 ug/L #	88

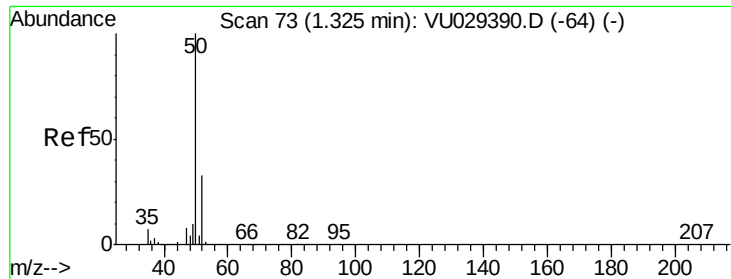
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.080 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU029407.D

Acq: 11 Feb 2019 19:32

Instrument :

MSVOA_U

ClientSampled :

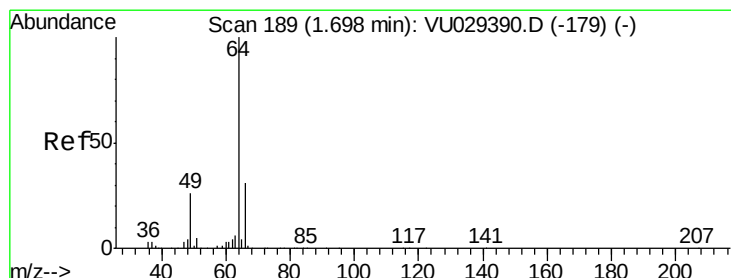
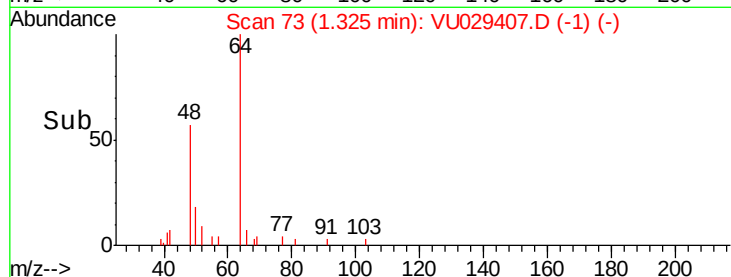
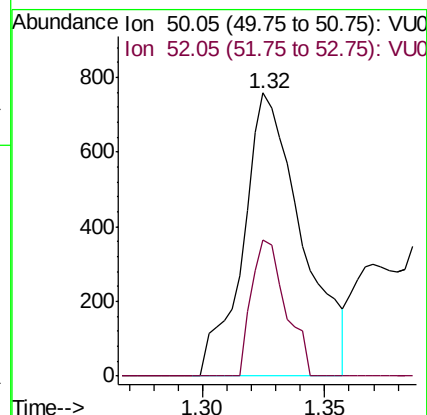
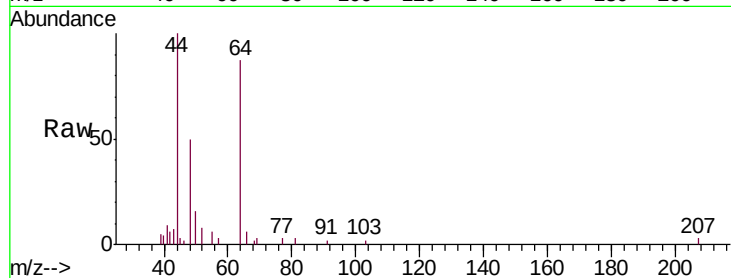
ESXA1

Tgt Ion: 50 Resp: 1268

Ion Ratio Lower Upper

50 100

52 48.2 23.4 43.4#



#8

Chloroethane

Concen: 3.097 ug/L

RT: 1.55 min Scan# 142

Delta R.T. -0.15 min

Lab File: VU029407.D

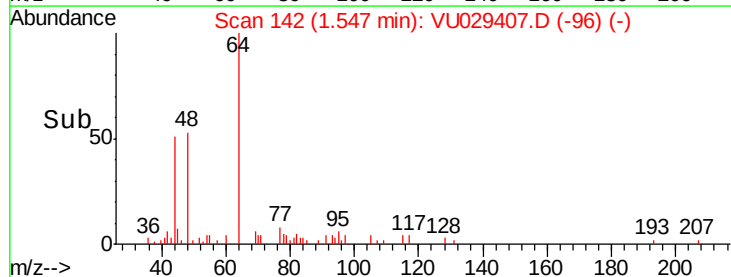
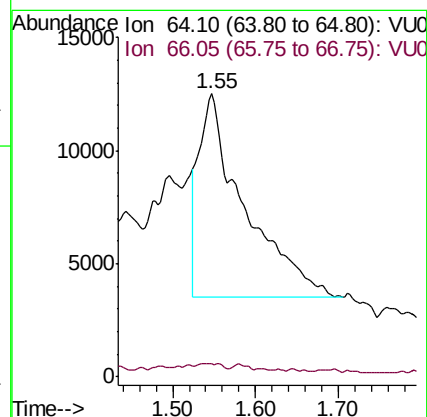
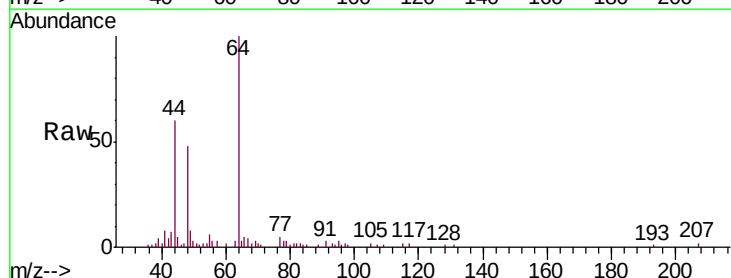
Acq: 11 Feb 2019 19:32

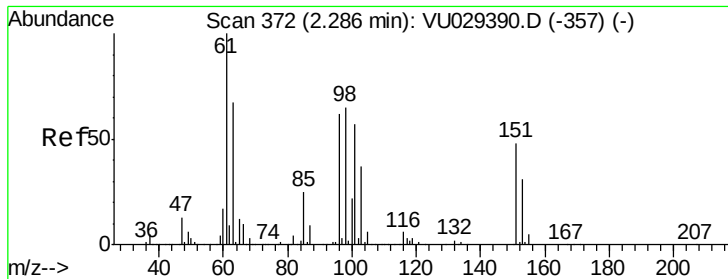
Tgt Ion: 64 Resp: 34379

Ion Ratio Lower Upper

64 100

66 4.8 21.8 40.4#





#10

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

Concen: 0.085 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU029407.D

Acq: 11 Feb 2019 19:32

Instrument :

MSVOA_U

ClientSampled :

ESXA1

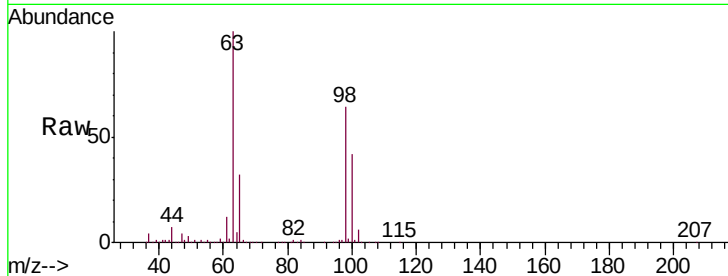
Tgt Ion:101 Resp: 1378

Ion Ratio Lower Upper

101 100

85 1.5 34.9 52.3#

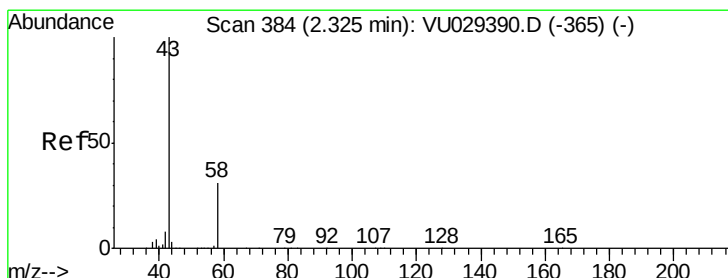
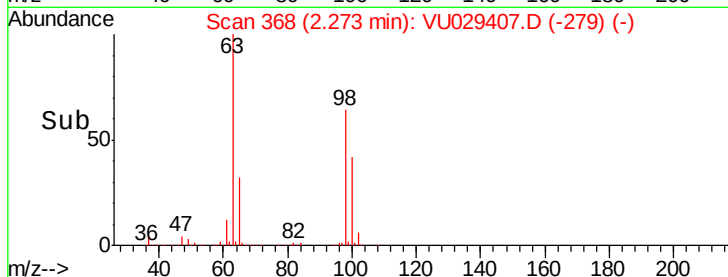
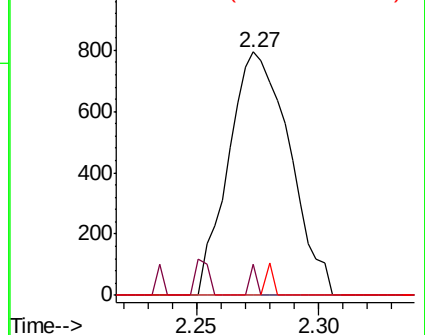
151 1.5 67.0 100.4#



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: 2.700 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.00 min

Lab File: VU029407.D

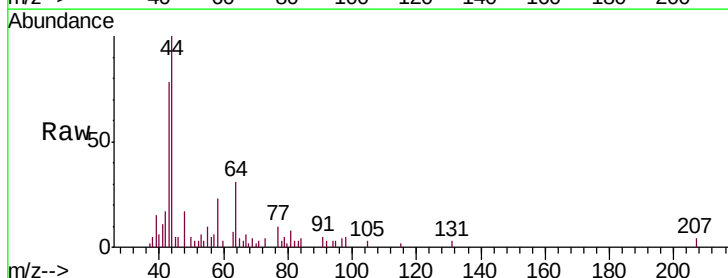
Acq: 11 Feb 2019 19:32

Tgt Ion: 43 Resp: 5970

Ion Ratio Lower Upper

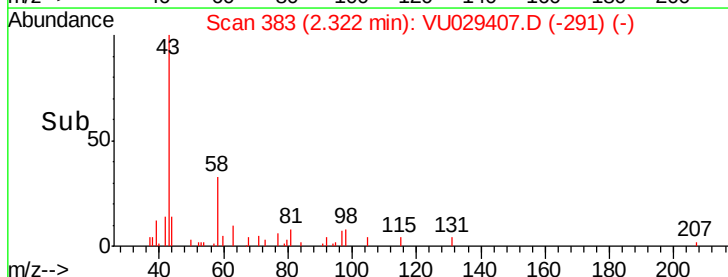
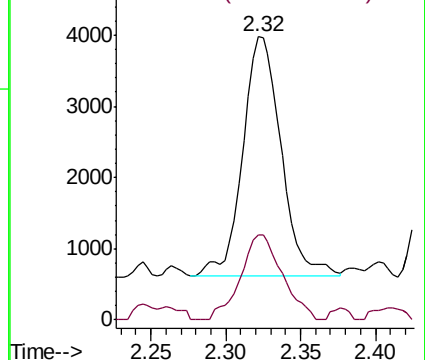
43 100

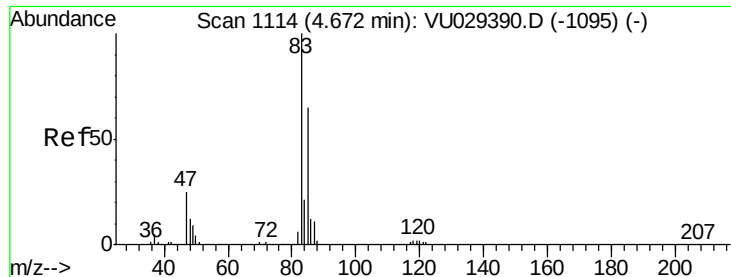
58 39.0 0.0 64.2



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

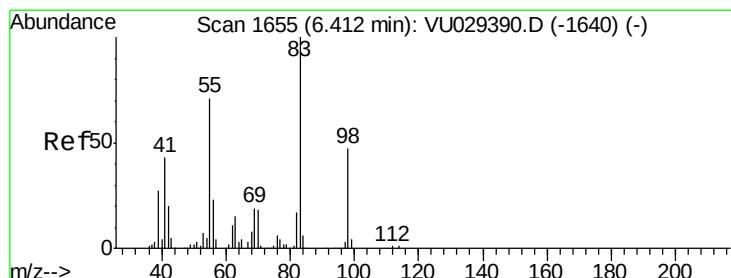
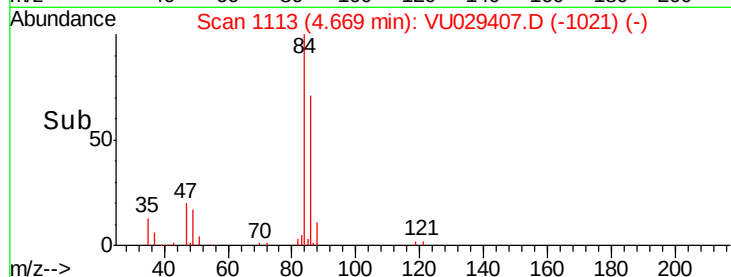
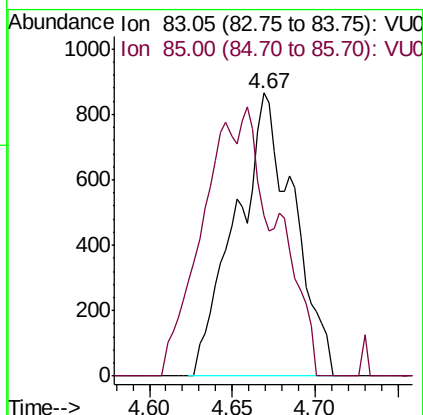
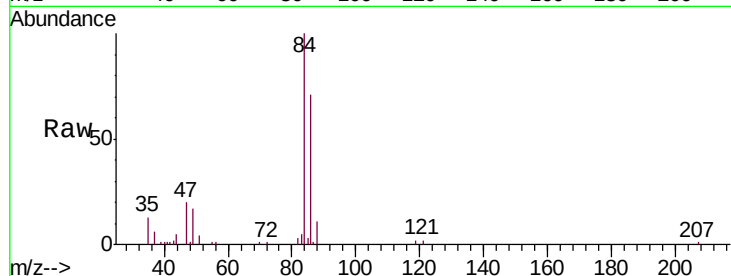




#25
Chloroform
Concen: 0.087 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VU029407.D
Acq: 11 Feb 2019 19:32

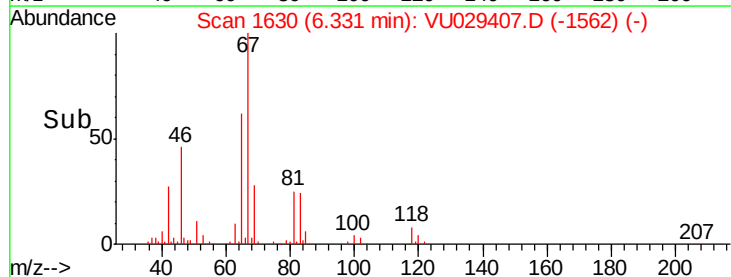
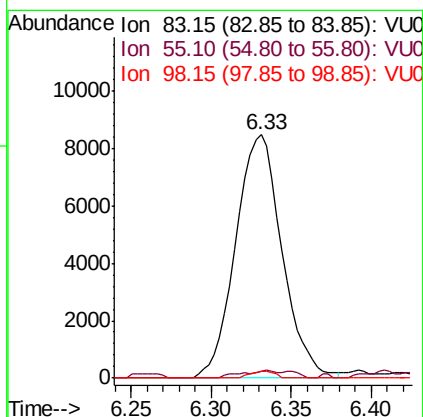
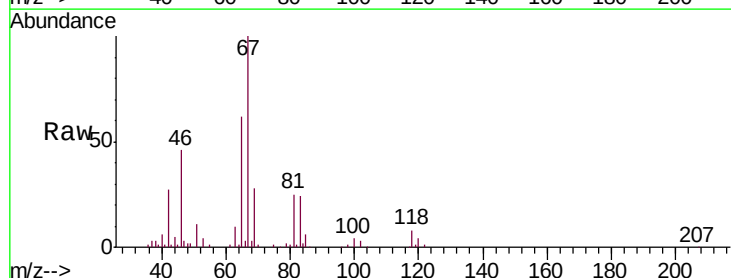
Instrument :
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ClientSampleId :
ESXA1

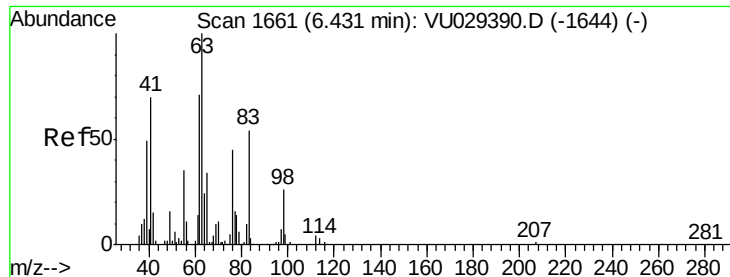
Tgt Ion: 83 Resp: 2091
Ion Ratio Lower Upper
83 100
85 56.5 45.7 84.9



#35
Methylcyclohexane
Concen: 0.699 ug/L
RT: 6.33 min Scan# 1630
Delta R.T. -0.08 min
Lab File: VU029407.D
Acq: 11 Feb 2019 19:32

Tgt Ion: 83 Resp: 16798
Ion Ratio Lower Upper
83 100
55 2.6 55.3 82.9#
98 1.4 37.9 56.9#

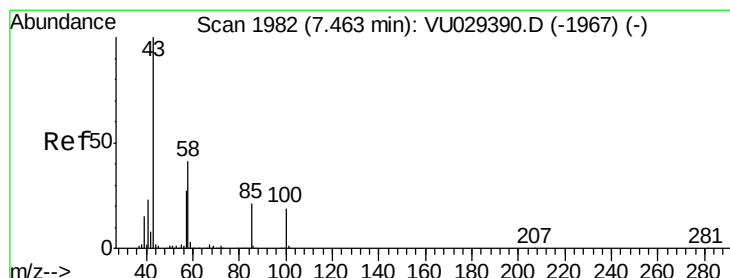
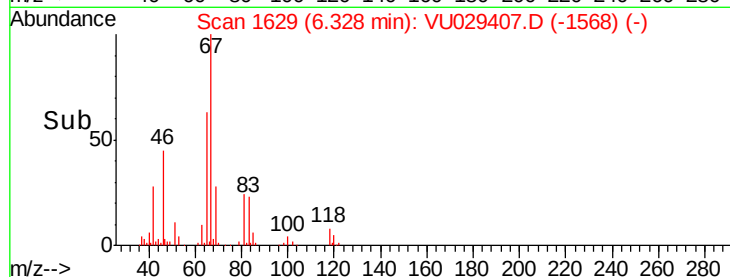
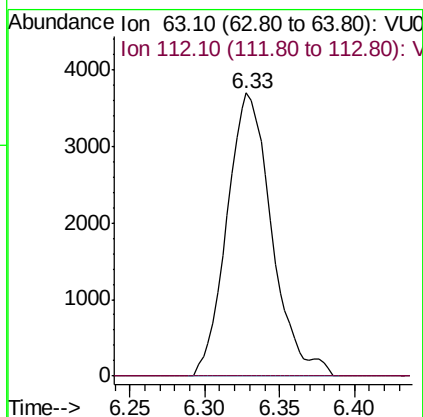
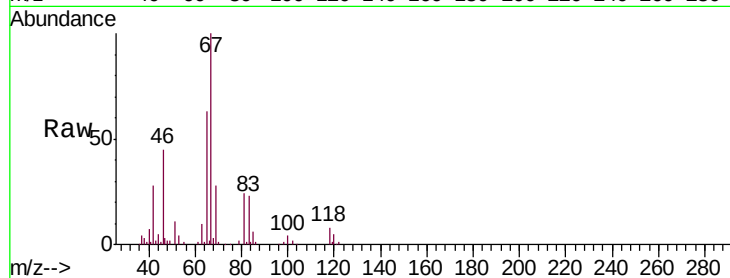




#37
 1,2-Dichloropropane
 Concen: 0.619 ug/L
 RT: 6.33 min Scan# 1629
 Delta R.T. -0.10 min
 Lab File: VU029407.D
 Acq: 11 Feb 2019 19:32

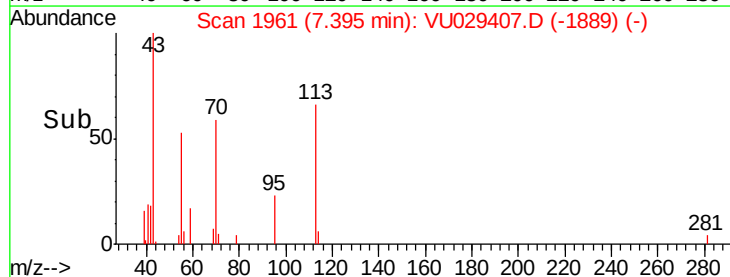
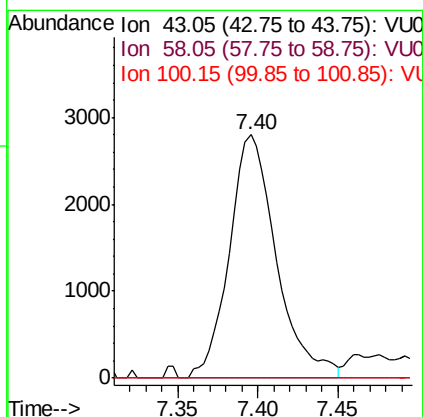
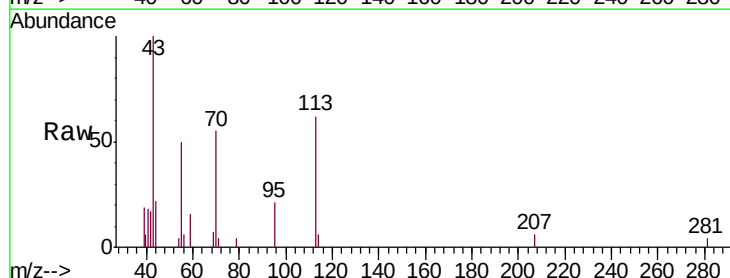
Instrument :
 MSVOA_U
 ClientSampleId :
 ESXA1

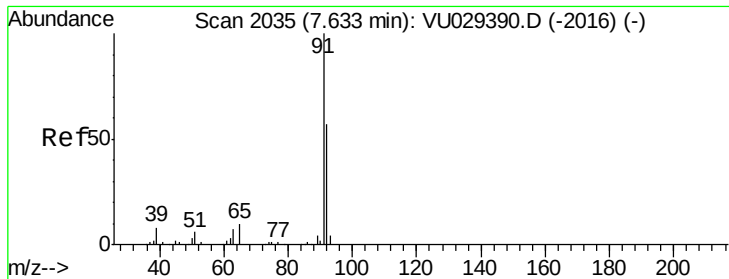
Tgt Ion: 63 Resp: 7706
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#40
 4-Methyl-2-pentanone
 Concen: 0.800 ug/L
 RT: 7.40 min Scan# 1961
 Delta R.T. -0.07 min
 Lab File: VU029407.D
 Acq: 11 Feb 2019 19:32

Tgt Ion: 43 Resp: 5633
 Ion Ratio Lower Upper
 43 100
 58 0.0 33.0 49.4#
 100 0.0 14.6 21.8#





#42

Toluene

Concen: 0.041 ug/L

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU029407.D

Acq: 11 Feb 2019 19:32

Instrument :

MSVOA_U

ClientSampleId :

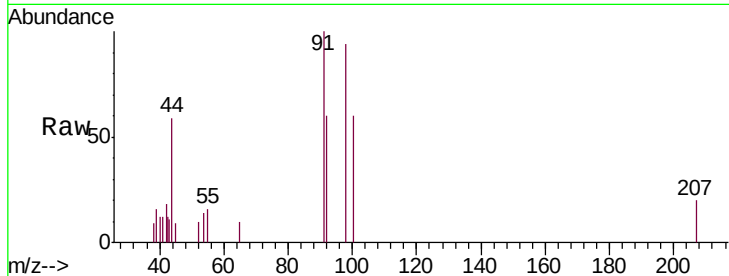
ESXA1

Tgt Ion: 91 Resp: 2305

Ion Ratio Lower Upper

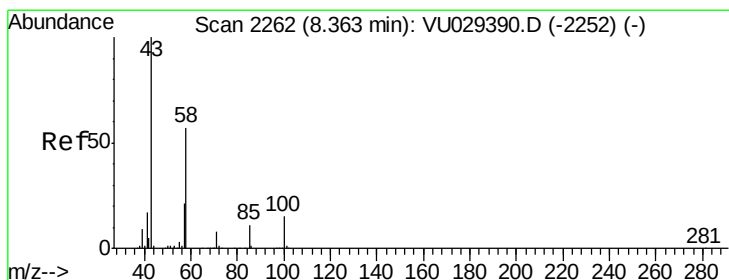
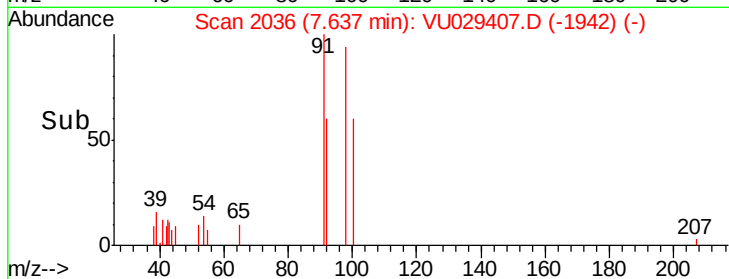
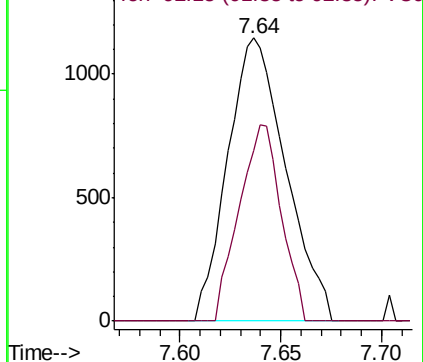
91 100

92 60.5 39.7 73.7



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#48

2-Hexanone

Concen: 0.611 ug/L

RT: 8.37 min Scan# 2265

Delta R.T. 0.01 min

Lab File: VU029407.D

Acq: 11 Feb 2019 19:32

Tgt Ion: 43 Resp: 2978

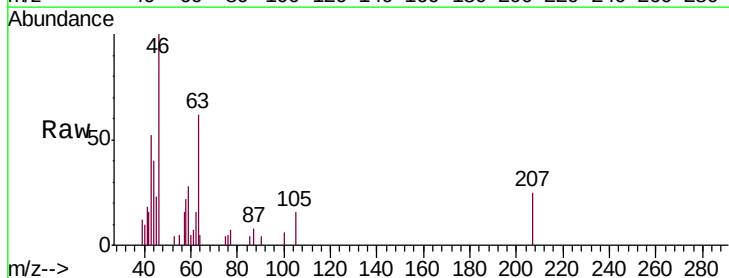
Ion Ratio Lower Upper

43 100

58 28.4 45.8 68.6#

57 12.8 16.4 24.6#

100 2.7 11.4 17.0#

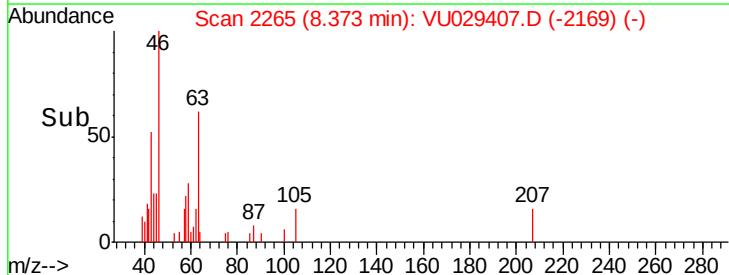
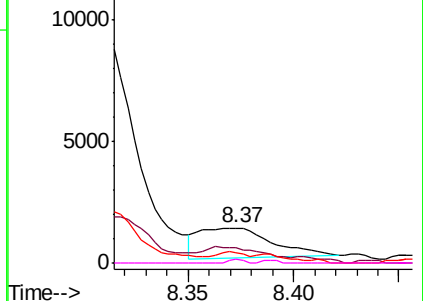


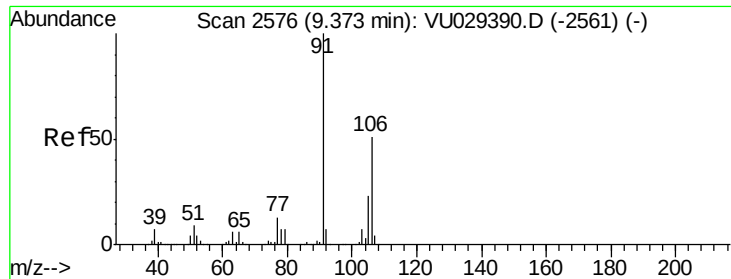
Abundance Ion 43.05 (42.75 to 43.75): VU0

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

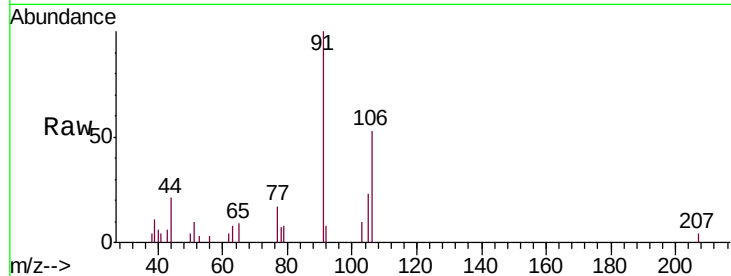




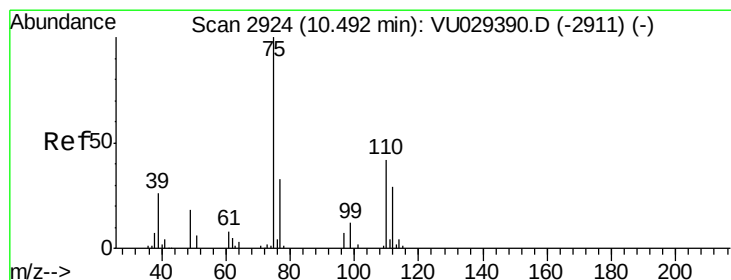
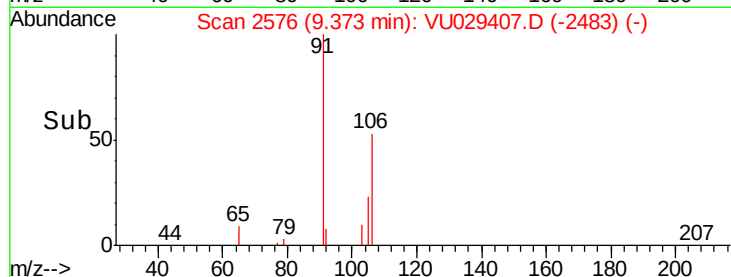
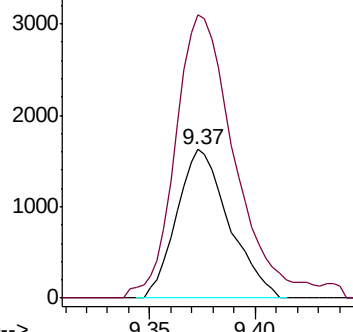
#53
m,p-xylene
Concen: 0.110 ug/L
RT: 9.37 min Scan# 2576
Delta R.T. 0.00 min
Lab File: VU029407.D
Acq: 11 Feb 2019 19:32

Instrument :
MSVOA_U
ClientSampleId :
ESXA1

Tgt Ion: 106 Resp: 2802
Ion Ratio Lower Upper
106 100
91 190.3 138.4 257.0

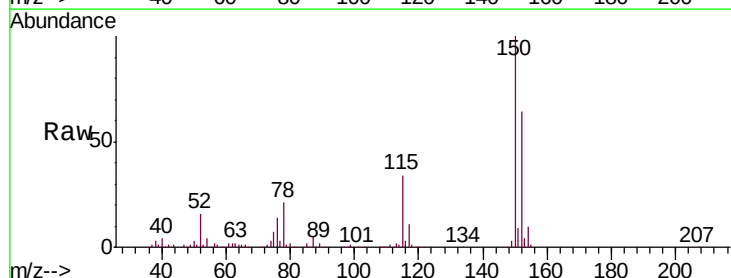


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0



#59
1,2,3-Trichloropropane
Concen: 1.396 ug/L
RT: 11.48 min Scan# 3232
Delta R.T. 0.99 min
Lab File: VU029407.D
Acq: 11 Feb 2019 19:32

Tgt Ion: 75 Resp: 11040
Ion Ratio Lower Upper
75 100
77 39.0 25.8 38.6#



Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0

