

Data File : VU029442.D
Acq On : 13 Feb 2019 14:02
Operator : JC/SP
Sample : K1436-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ESXA6

Quant Time: Feb 14 00:21:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Feb 14 00:18:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	200113	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	189576	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	103761	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	56567	4.21	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.20%
7) Chloroethane-d5	1.68	69	52550	4.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.40%
11) 1,1-Dichloroethene-d2	2.27	63	94322	3.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.60%
20) 2-Butanone-d5	4.19	46	131333	46.98	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.96%
24) Chloroform-d	4.65	84	99774	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
26) 1,2-Dichloroethane-d4	5.31	65	52453	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
32) Benzene-d6	5.34	84	214058	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
36) 1,2-Dichloropropane-d6	6.33	67	62741	4.66	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.20%
41) Toluene-d8	7.56	98	207706	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.40%
43) trans-1,3-Dichloropropene-	7.85	79	27115	4.51	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.20%
46) 2-Hexanone-d5	8.31	63	134204	48.44	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.88%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	52298	4.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	92697	4.84	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.80%

Target Compounds

						Qvalue
5) Vinyl chloride	1.40	62	951	0.049	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	870	0.050	ug/L #	17
12) 1,1-Dichloroethene	2.27	96	1150	0.070	ug/L #	1
13) Acetone	2.32	43	6586	2.593	ug/L	90
16) Methylene chloride	2.70	84	3882	0.210	ug/L	96
22) cis-1,2-Dichloroethene	4.22	96	17901	1.108	ug/L	92
25) Chloroform	4.67	83	74227	2.804	ug/L	95
33) Benzene	5.39	78	16305	0.292	ug/L	100
35) Methylcyclohexane	6.33	83	16309	0.618	ug/L #	21
37) 1,2-Dichloropropane	6.33	63	6743	0.482	ug/L #	87
38) Bromodichloromethane	6.76	83	3950	0.214	ug/L	95
39) cis-1,3-Dichloropropene	7.22	75	1941	0.088	ug/L #	58
40) 4-Methyl-2-pentanone	7.39	43	5691	0.706	ug/L #	41
42) Toluene	7.64	91	14733	0.235	ug/L	94
48) 2-Hexanone	8.37	43	3506	0.597	ug/L #	80
53) m,p-xylene	9.38	106	1997	0.071	ug/L	98
59) 1,2,3-Trichloropropane	11.48	75	10791	1.204	ug/L	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021319\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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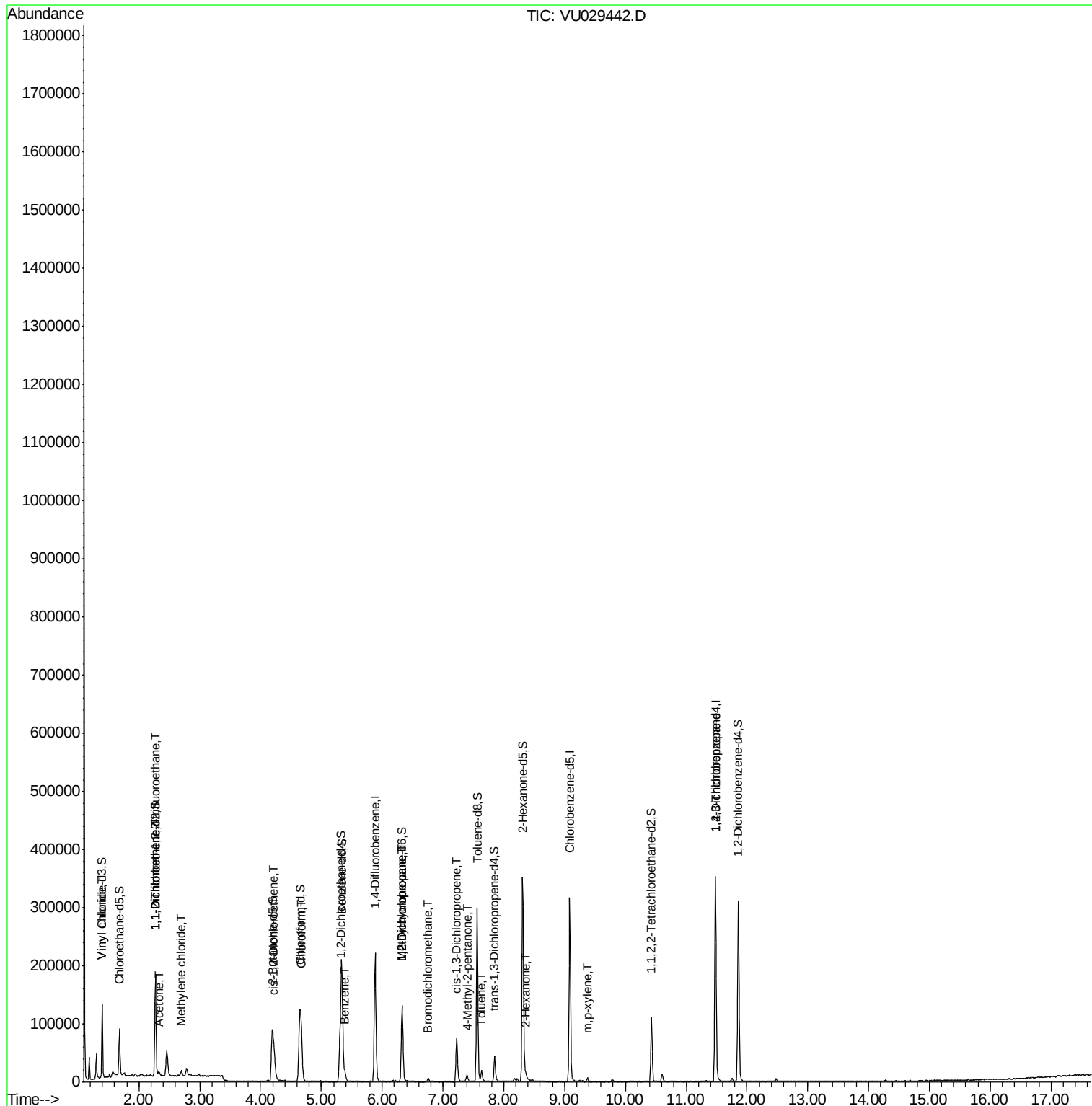
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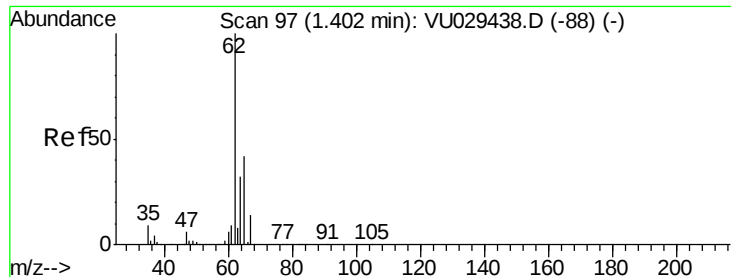
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.049 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU029442.D

Acq: 13 Feb 2019 14:02

Instrument :

MSVOA_U

ClientSampleId :

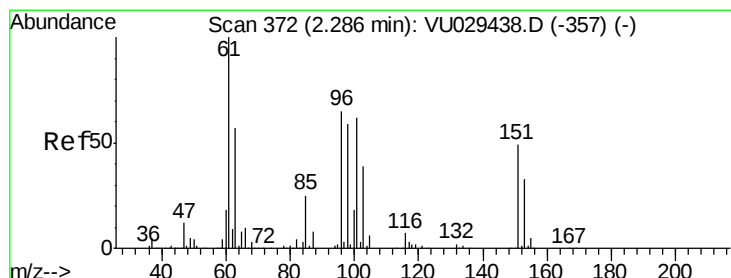
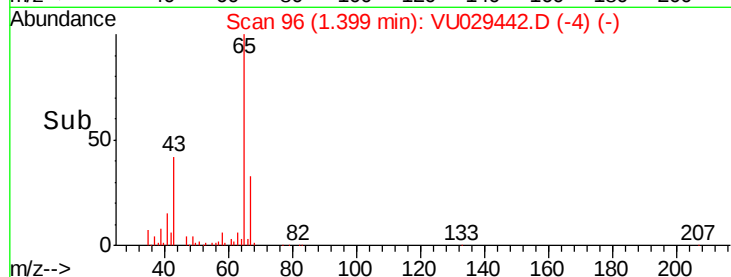
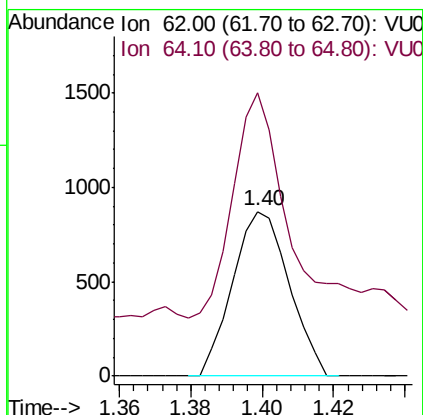
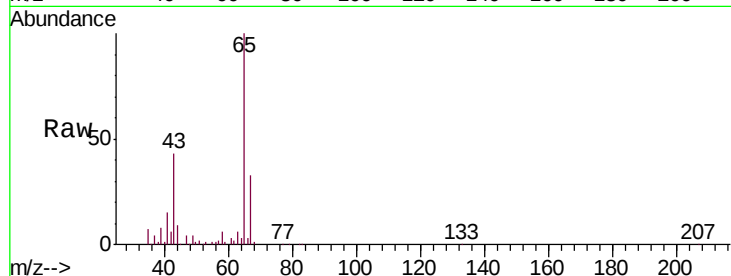
ESXA6

Tgt Ion: 62 Resp: 951

Ion Ratio Lower Upper

62 100

64 172.0 23.5 43.7#



#10

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

Concen: 0.050 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU029442.D

Acq: 13 Feb 2019 14:02

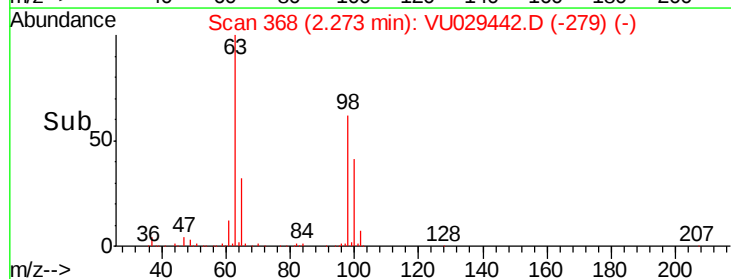
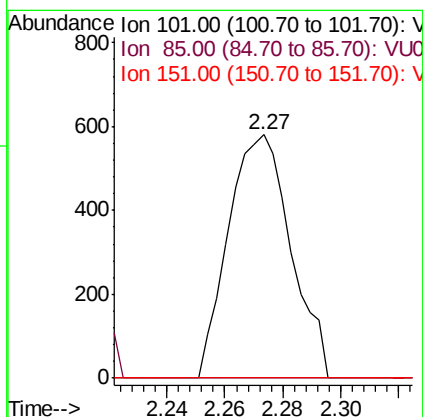
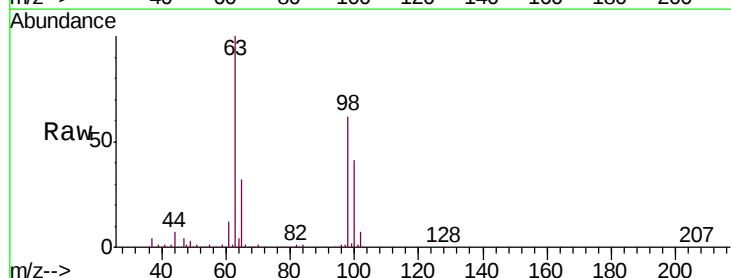
Tgt Ion: 101 Resp: 870

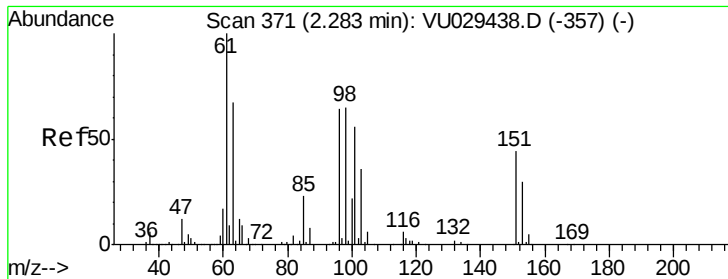
Ion Ratio Lower Upper

101 100

85 2.4 35.1 52.7#

151 0.0 67.0 100.6#





#12

1,1-Dichloroethene

Concen: 0.070 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU029442.D

Acq: 13 Feb 2019 14:02

Instrument :

MSVOA_U

ClientSampleId :

ESXA6

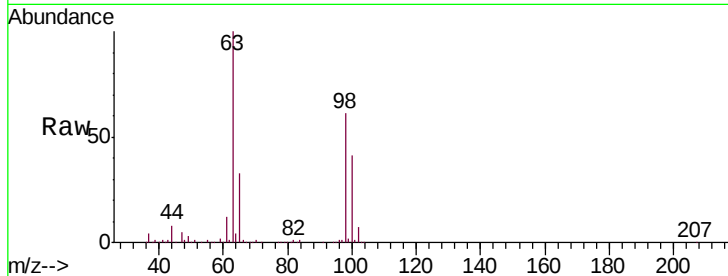
Tgt Ion: 96 Resp: 1150

Ion Ratio Lower Upper

96 100

61 1051.5 115.1 213.7#

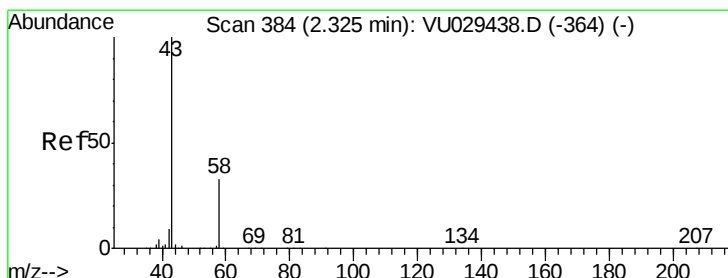
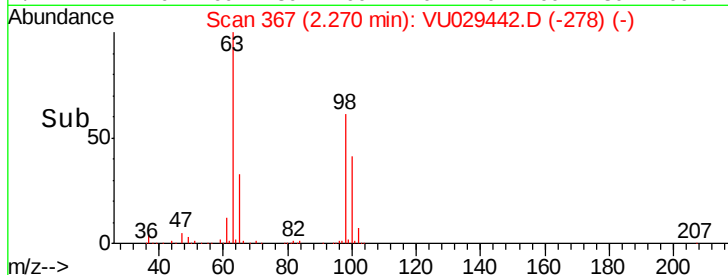
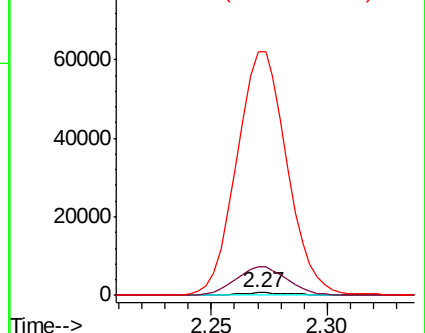
63 8775.1 83.5 155.1#



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0



#13

Acetone

Concen: 2.593 ug/L

RT: 2.32 min Scan# 384

Delta R.T. -0.00 min

Lab File: VU029442.D

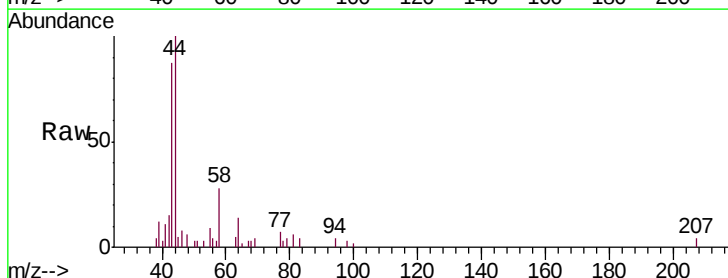
Acq: 13 Feb 2019 14:02

Tgt Ion: 43 Resp: 6586

Ion Ratio Lower Upper

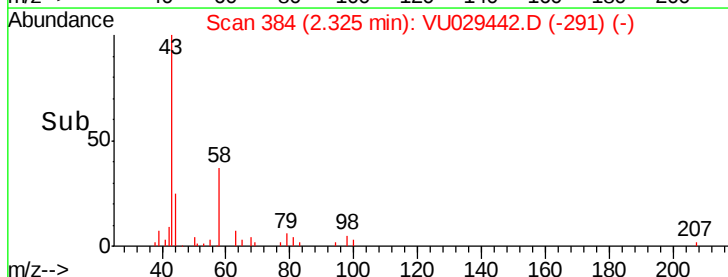
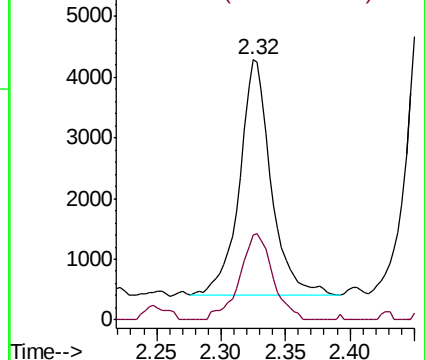
43 100

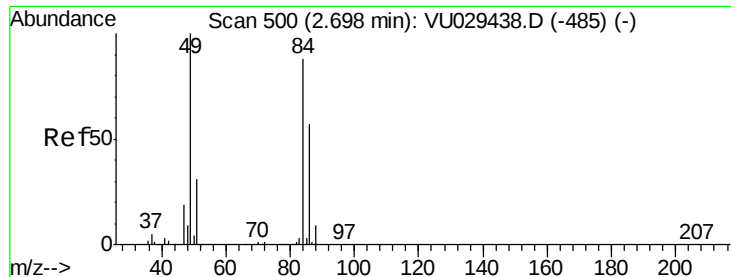
58 38.3 0.0 65.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

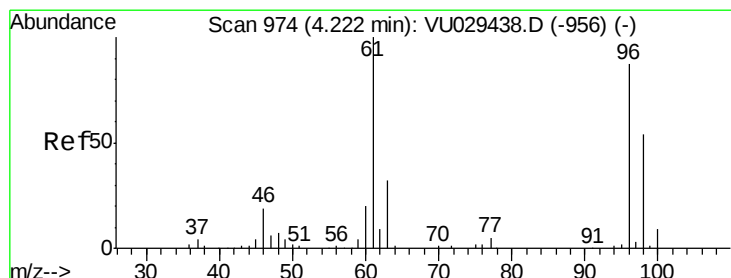
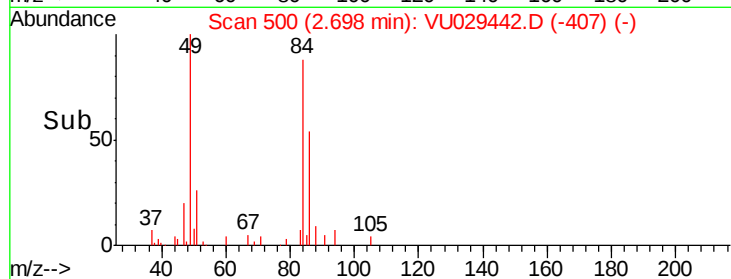
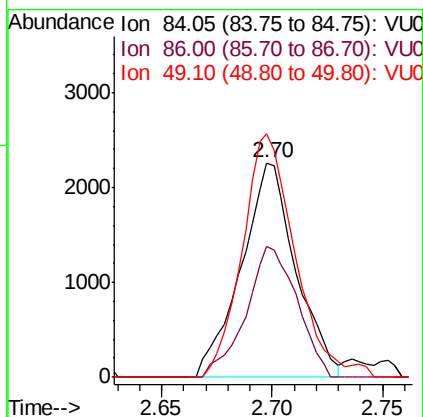
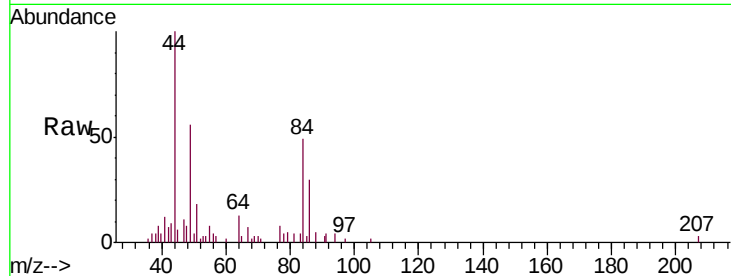




#16
Methylene chloride
Concen: 0.210 ug/L
RT: 2.70 min Scan# 500
Delta R.T. -0.00 min
Lab File: VU029442.D
Acq: 13 Feb 2019 14:02

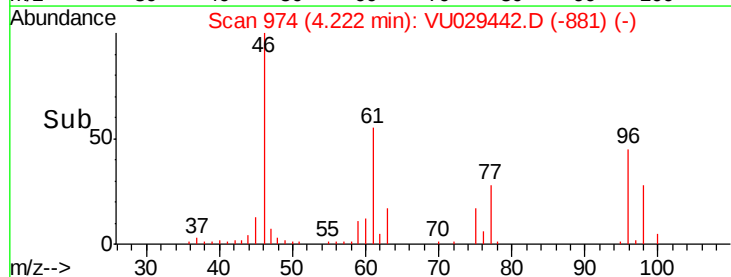
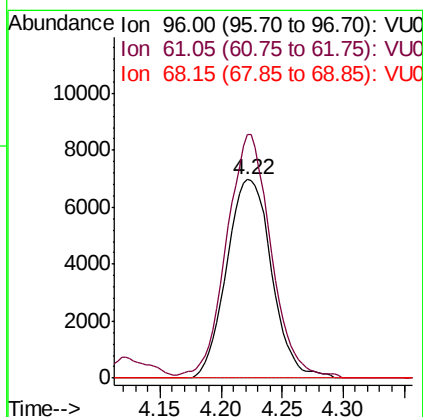
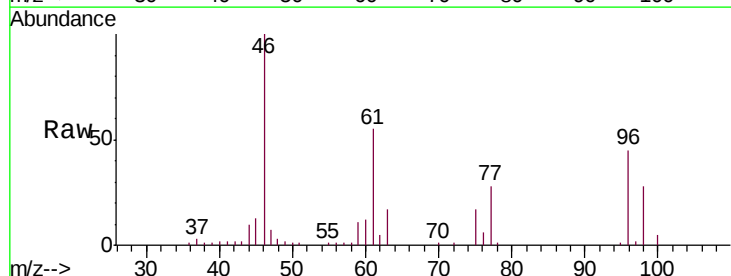
Instrument :
MSVOA_U
ClientSampleId :
ESXA6

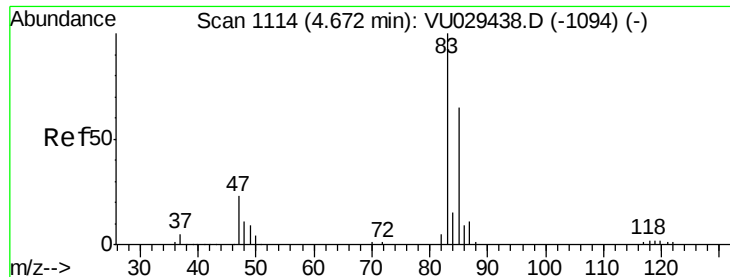
Tgt Ion: 84 Resp: 3882
Ion Ratio Lower Upper
84 100
86 60.9 45.1 83.9
49 113.3 81.8 151.8



#22
cis-1,2-Dichloroethene
Concen: 1.108 ug/L
RT: 4.22 min Scan# 974
Delta R.T. -0.00 min
Lab File: VU029442.D
Acq: 13 Feb 2019 14:02

Tgt Ion: 96 Resp: 17901
Ion Ratio Lower Upper
96 100
61 122.5 79.9 148.5
68 0.0 0.0 0.0

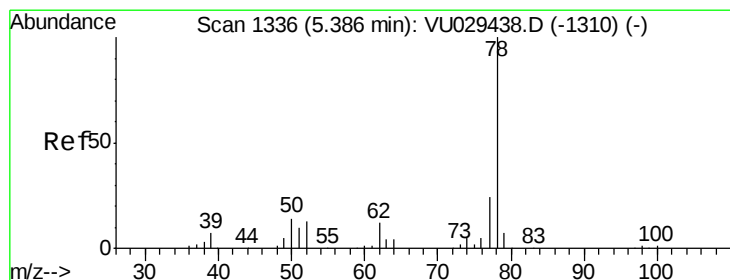
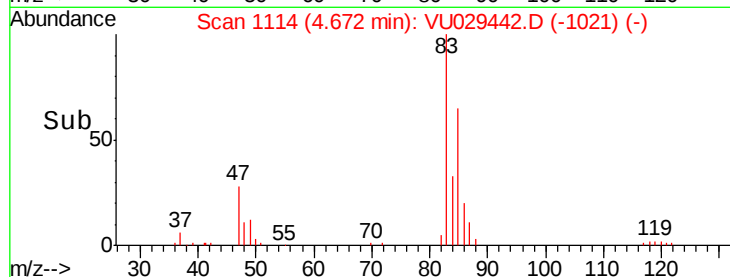
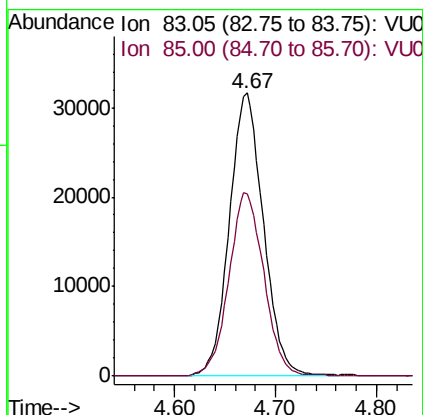
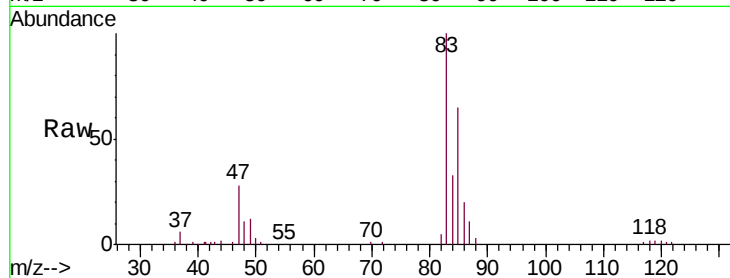




#25
Chloroform
Concen: 2.804 ug/L
RT: 4.67 min Scan# 1114
Delta R.T. -0.00 min
Lab File: VU029442.D
Acq: 13 Feb 2019 14:02

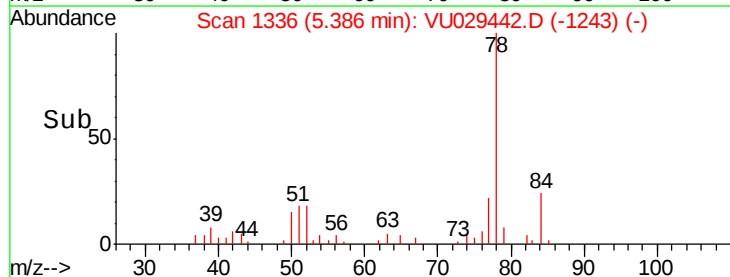
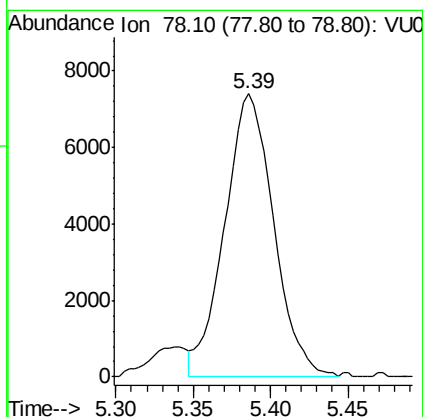
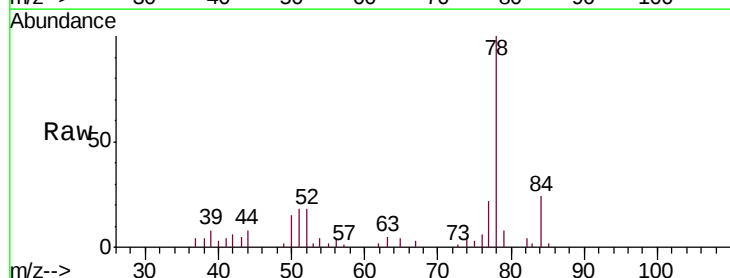
Instrument :
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ClientSampleId :
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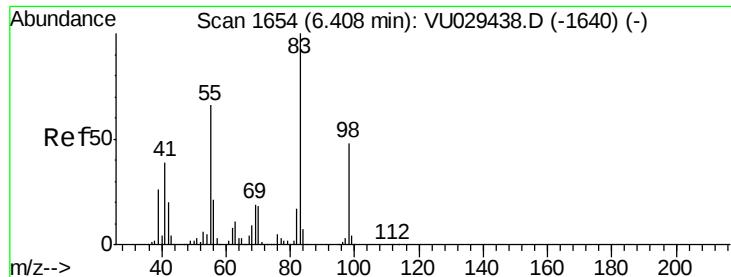
Tgt Ion: 83 Resp: 74227
Ion Ratio Lower Upper
83 100
85 64.5 47.8 88.8



#33
Benzene
Concen: 0.292 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VU029442.D
Acq: 13 Feb 2019 14:02

Tgt Ion: 78 Resp: 16305





#35

Methylcyclohexane

Concen: 0.618 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.08 min

Lab File: VU029442.D

Acq: 13 Feb 2019 14:02

Instrument :

MSVOA_U

ClientSampled :

ESXA6

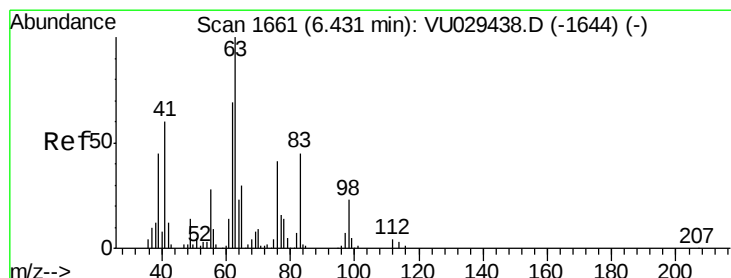
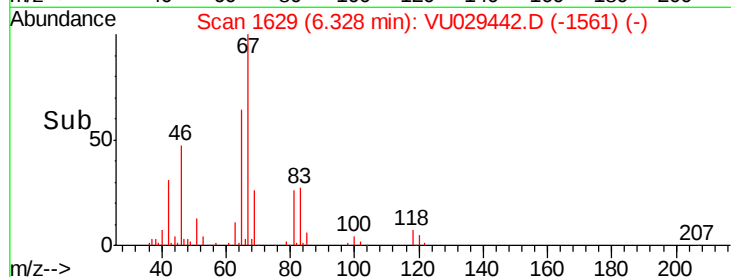
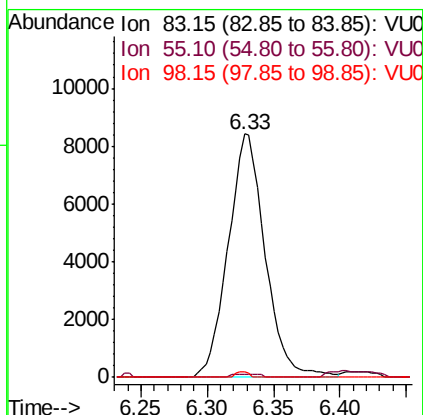
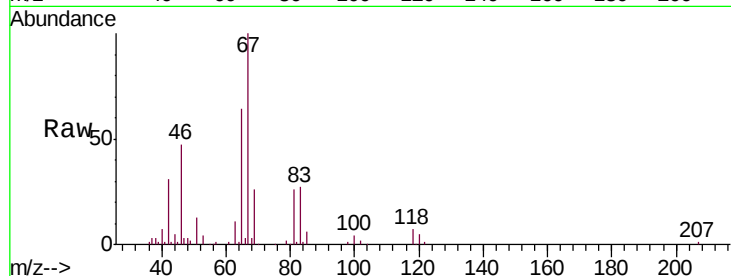
Tgt Ion: 83 Resp: 16309

Ion Ratio Lower Upper

83 100

55 0.5 55.9 83.9#

98 0.8 38.6 57.8#



#37

1,2-Dichloropropane

Concen: 0.482 ug/L

RT: 6.33 min Scan# 1630

Delta R.T. -0.10 min

Lab File: VU029442.D

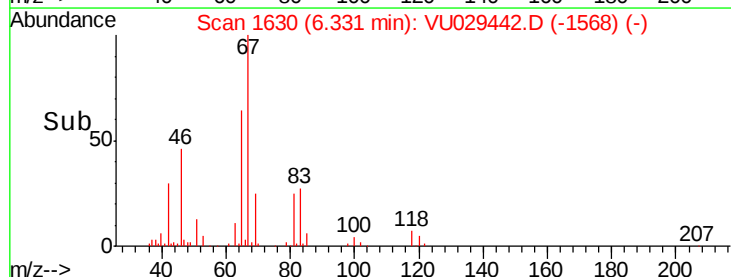
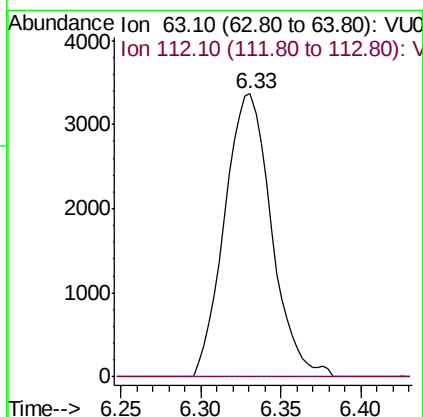
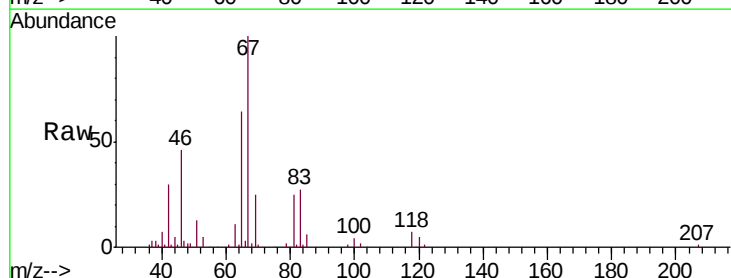
Acq: 13 Feb 2019 14:02

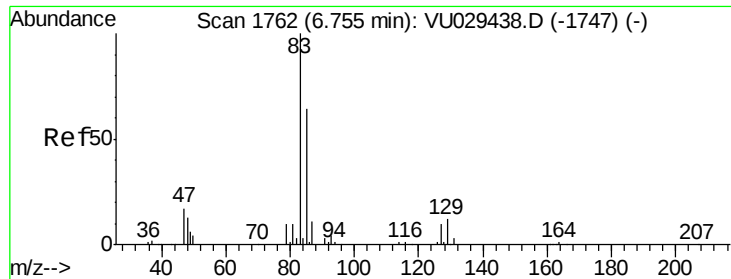
Tgt Ion: 63 Resp: 6743

Ion Ratio Lower Upper

63 100

112 0.0 3.5 5.3#





#38

Bromodichloromethane

Concen: 0.214 ug/L

RT: 6.76 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VU029442.D

Acq: 13 Feb 2019 14:02

Instrument :

MSVOA_U

ClientSampled :

ESXA6

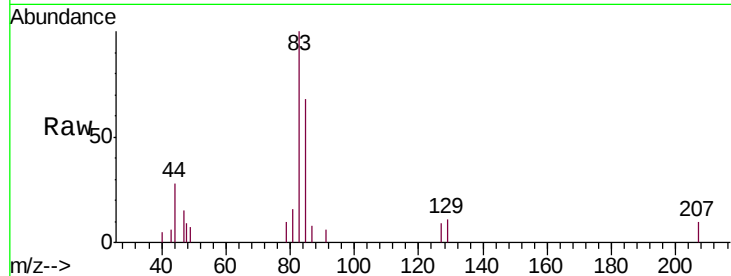
Tgt Ion: 83 Resp: 3950

Ion Ratio Lower Upper

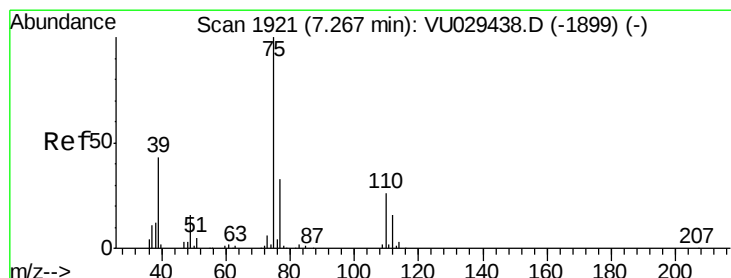
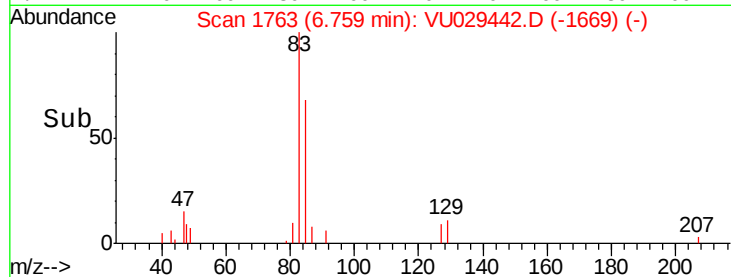
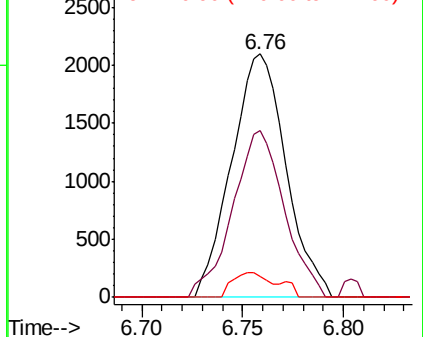
83 100

85 68.3 45.1 83.7

127 8.8 7.8 11.8



Abundance Ion 82.95 (82.65 to 83.65): VU0
Ion 85.00 (84.70 to 85.70): VU0
Ion 126.90 (126.60 to 127.60): V



#39

cis-1,3-Dichloropropene

Concen: 0.088 ug/L

RT: 7.22 min Scan# 1908

Delta R.T. -0.04 min

Lab File: VU029442.D

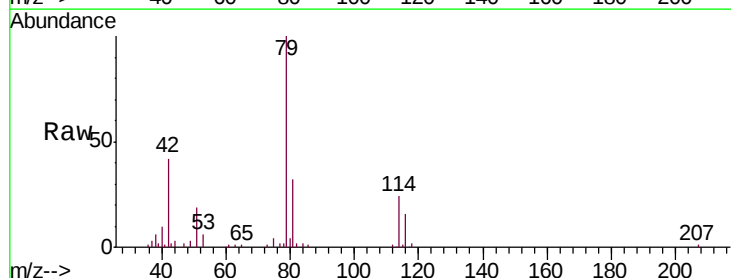
Acq: 13 Feb 2019 14:02

Tgt Ion: 75 Resp: 1941

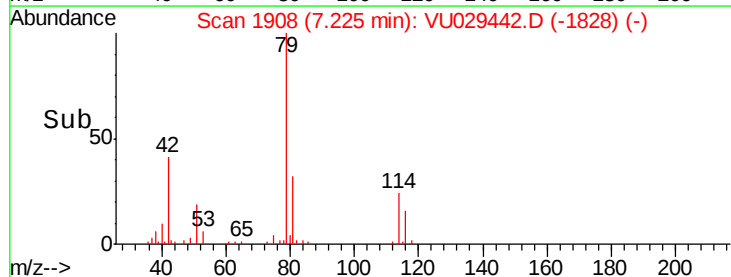
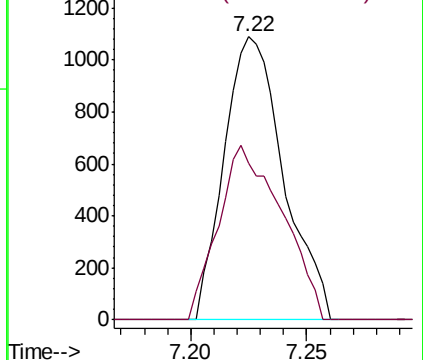
Ion Ratio Lower Upper

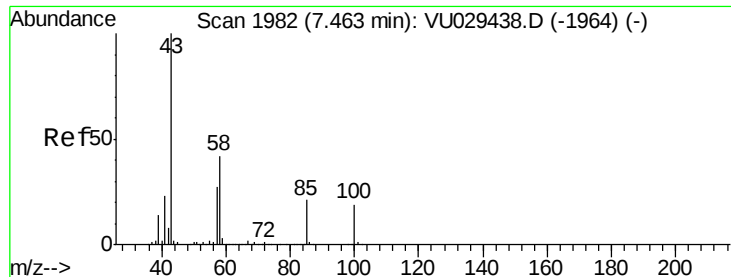
75 100

77 55.4 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0
Ion 77.05 (76.75 to 77.75): VU0

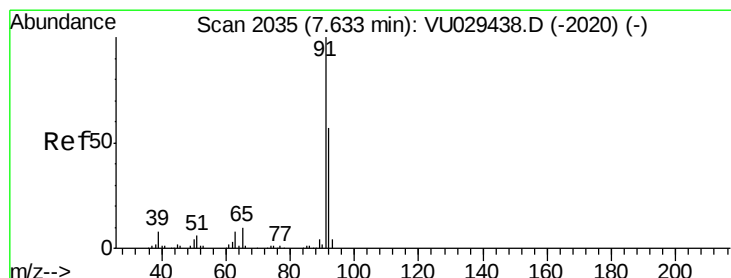
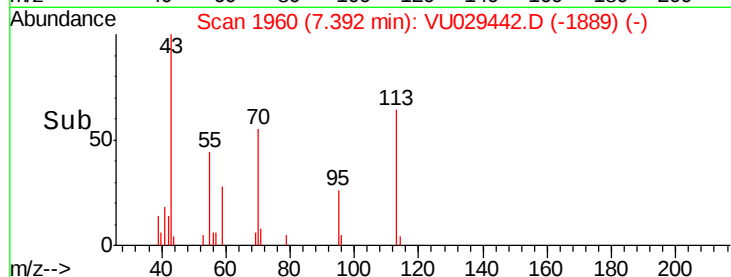
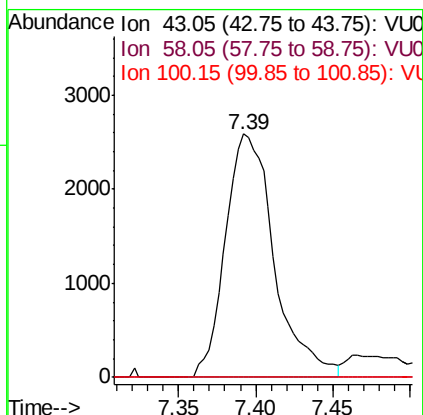
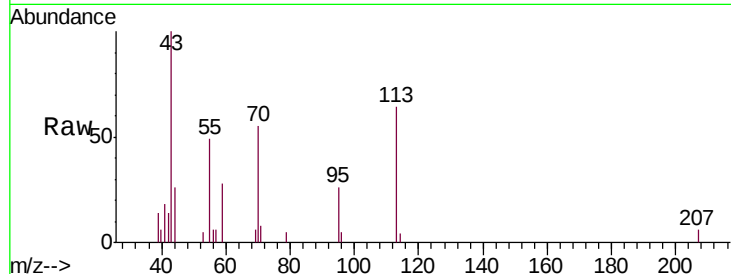




#40
 4-Methyl-2-pentanone
 Concen: 0.706 ug/L
 RT: 7.39 min Scan# 1960
 Delta R.T. -0.07 min
 Lab File: VU029442.D
 Acq: 13 Feb 2019 14:02

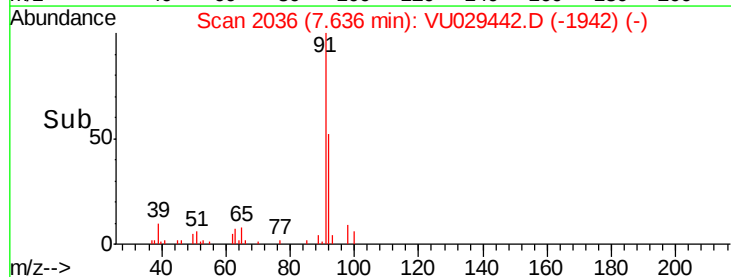
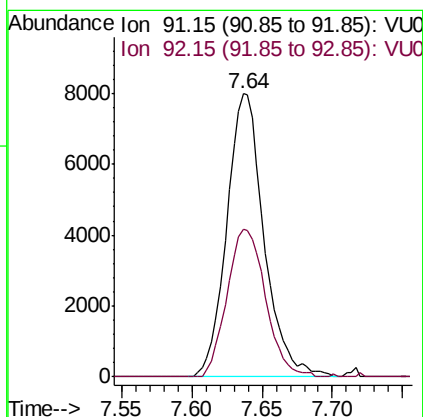
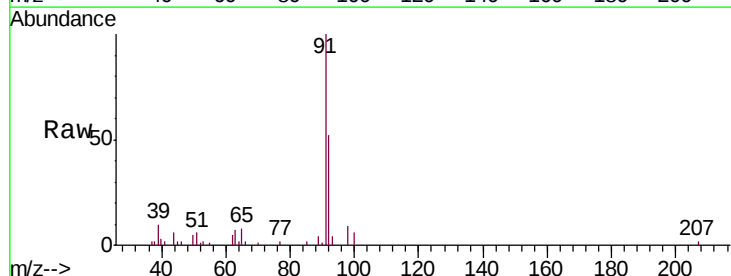
Instrument :
 MSVOA_U
 ClientSampleId :
 ESXA6

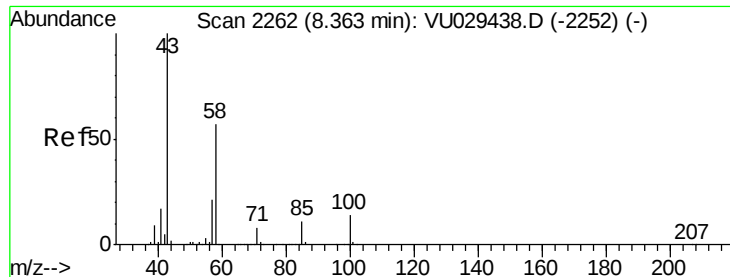
Tgt Ion: 43 Resp: 5691
 Ion Ratio Lower Upper
 43 100
 58 0.0 33.4 50.2#
 100 0.0 14.4 21.6#



#42
 Toluene
 Concen: 0.235 ug/L
 RT: 7.64 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VU029442.D
 Acq: 13 Feb 2019 14:02

Tgt Ion: 91 Resp: 14733
 Ion Ratio Lower Upper
 91 100
 92 52.4 39.8 73.8

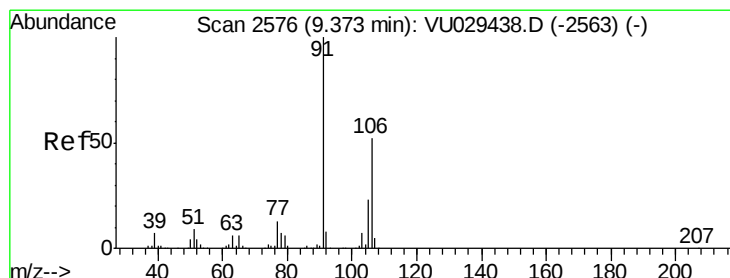
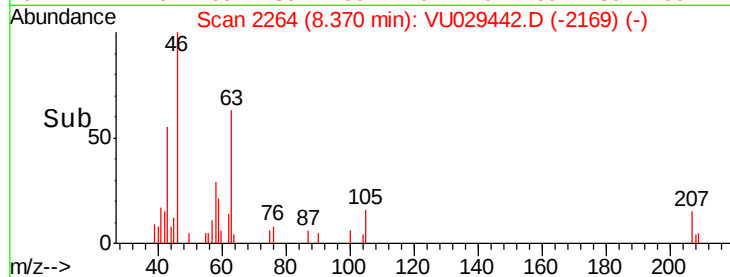
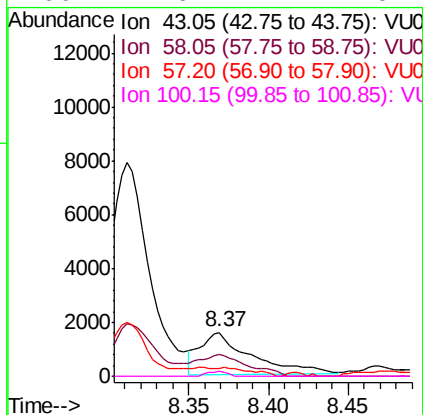
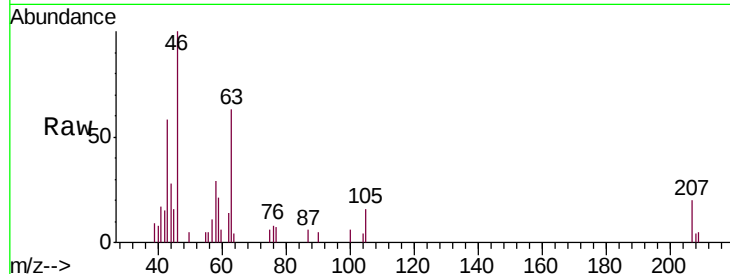




#48
2-Hexanone
Concen: 0.597 ug/L
RT: 8.37 min Scan# 2264
Delta R.T. 0.01 min
Lab File: VU029442.D
Acq: 13 Feb 2019 14:02

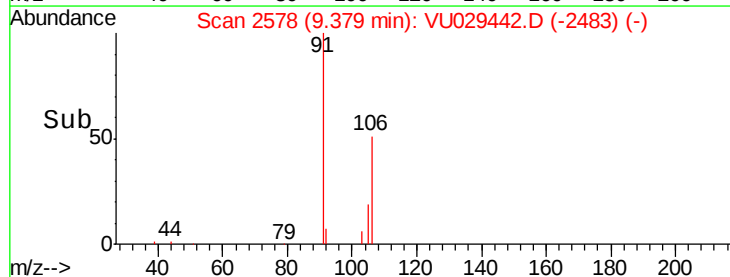
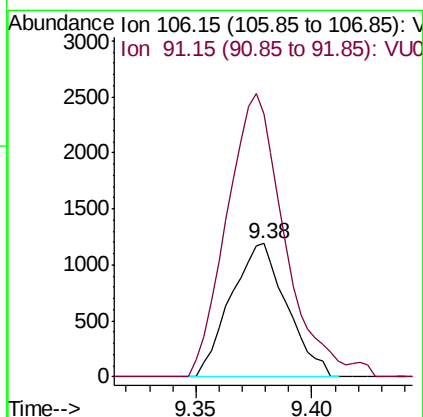
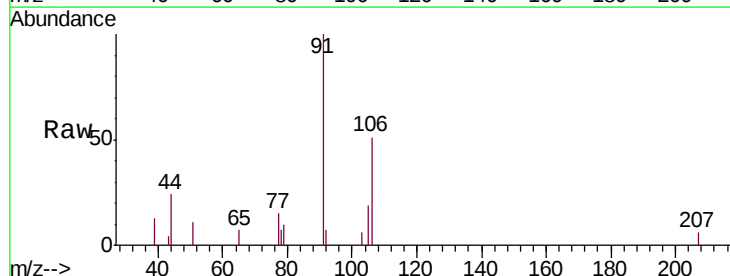
Instrument :
MSVOA_U
ClientSampleId :
ESXA6

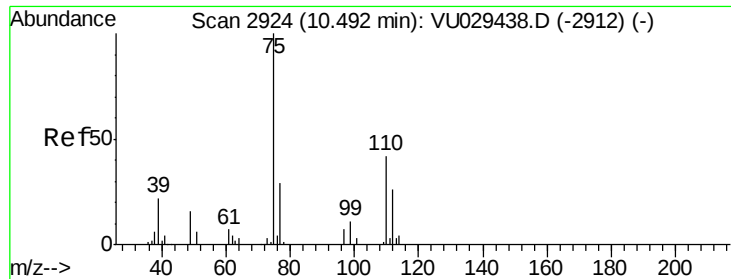
Tgt Ion: 43 Resp: 3506
Ion Ratio Lower Upper
43 100
58 47.7 45.7 68.5
57 3.3 16.4 24.6#
100 4.6 11.1 16.7#



#53
m,p-xylene
Concen: 0.071 ug/L
RT: 9.38 min Scan# 2578
Delta R.T. 0.01 min
Lab File: VU029442.D
Acq: 13 Feb 2019 14:02

Tgt Ion: 106 Resp: 1997
Ion Ratio Lower Upper
106 100
91 197.5 135.7 251.9





#59

1,2,3-Trichloropropane

Concen: 1.204 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU029442.D

Acq: 13 Feb 2019 14:02

Instrument :

MSVOA_U

ClientSampleId :

ESXA6

Tgt Ion: 75 Resp: 10791

Ion Ratio Lower Upper

75 100

77 36.8 28.2 42.2

