

Data File : VU029460.D
Acq On : 14 Feb 2019 16:07
Operator : JC/SP
Sample : K1436-14
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ESXA7

Quant Time: Feb 15 00:48:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Feb 15 00:42:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	202802	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	190226	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	102810	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	52221	3.83	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.60%
7) Chloroethane-d5	1.68	69	47016	3.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.20%
11) 1,1-Dichloroethene-d2	2.27	63	89541	3.02	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.40%
20) 2-Butanone-d5	4.19	46	137179	48.42	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.84%
24) Chloroform-d	4.65	84	92997	4.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.80%
26) 1,2-Dichloroethane-d4	5.31	65	50097	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.80%
32) Benzene-d6	5.34	84	200447	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.60%
36) 1,2-Dichloropropane-d6	6.33	67	60961	4.51	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.20%
41) Toluene-d8	7.56	98	189806	4.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.20%
43) trans-1,3-Dichloropropene-	7.85	79	24228	4.01	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.20%
46) 2-Hexanone-d5	8.31	63	134699	48.46	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.92%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	52909	4.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	86212	4.55	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.00%

Target Compounds

						Qvalue
5) Vinyl chloride	1.40	62	264505	13.543	ug/L	98
8) Chloroethane	1.55	64	102665	8.073	ug/L #	53
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	951	0.054	ug/L #	24
12) 1,1-Dichloroethene	2.29	96	6050	0.362	ug/L #	1
13) Acetone	2.32	43	4560	1.772	ug/L	100
18) trans-1,2-Dichloroethene	2.98	96	32682	1.836	ug/L	99
22) cis-1,2-Dichloroethene	4.22	96	1647597	100.644	ug/L	99
25) Chloroform	4.67	83	5030	0.188	ug/L	95
34) Trichloroethene	6.19	95	929	0.059	ug/L	93
35) Methylcyclohexane	6.33	83	15139	0.572	ug/L #	21
37) 1,2-Dichloropropane	6.33	63	6879	0.490	ug/L #	87
39) cis-1,3-Dichloropropene	7.23	75	1606	0.073	ug/L #	60
48) 2-Hexanone	8.31	43	14632	2.483	ug/L #	66
53) m,p-xylene	9.37	106	3888	0.137	ug/L	77
59) 1,2,3-Trichloropropane	11.48	75	10356	1.151	ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021419\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Feb 15 00:42:37 2019
Response via : Initial Calibration

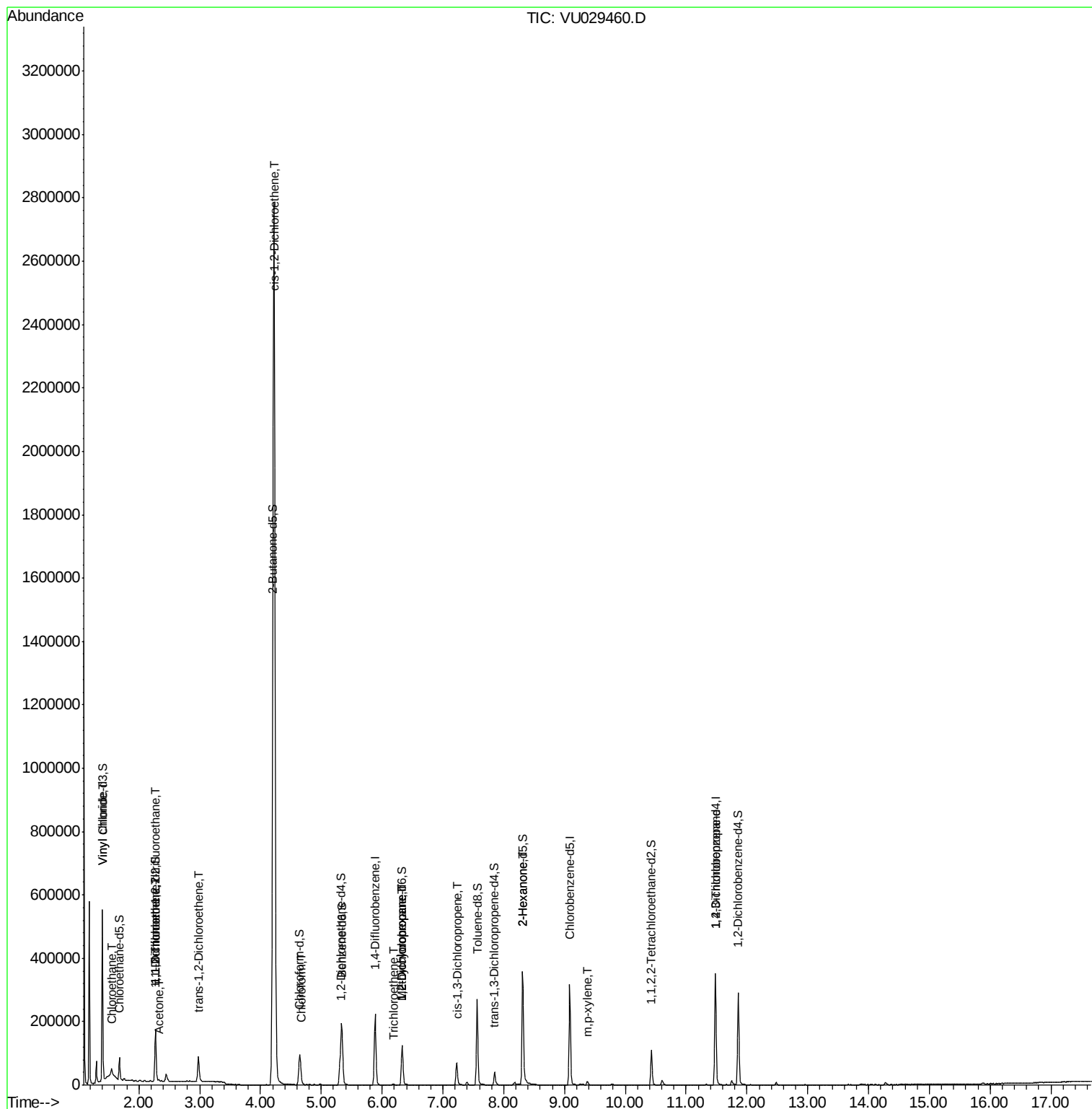
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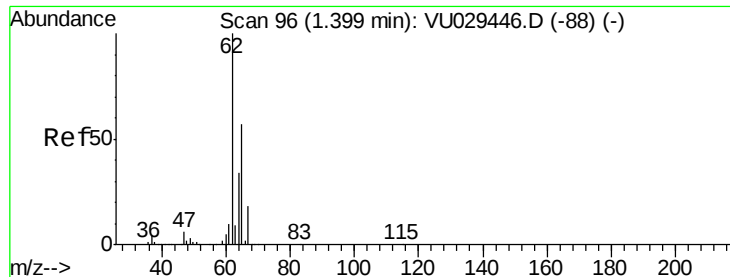
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#5

Vinyl chloride

Concen: 13.543 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU029460.D

Acq: 14 Feb 2019 16:07

Instrument :

MSVOA_U

ClientSampleId :

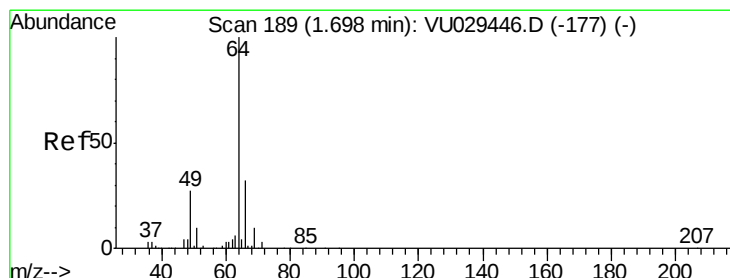
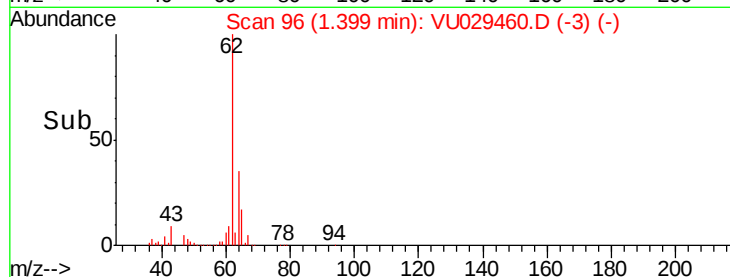
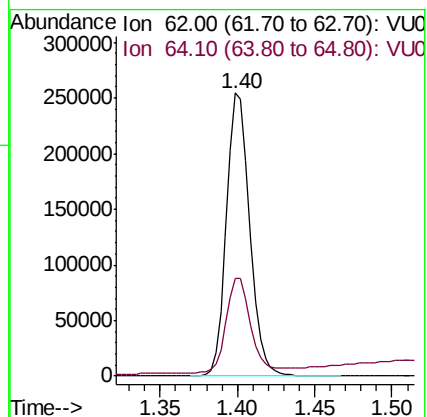
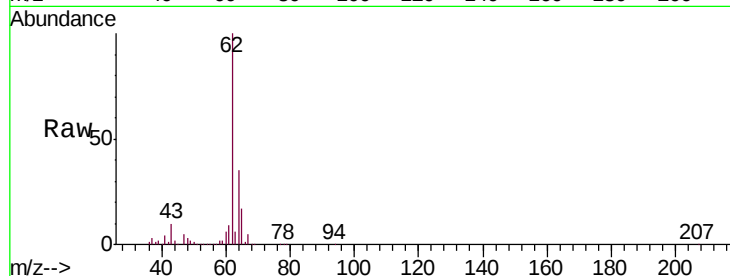
ESXA7

Tgt Ion: 62 Resp: 264505

Ion Ratio Lower Upper

62 100

64 34.7 23.5 43.7



#8

Chloroethane

Concen: 8.073 ug/L

RT: 1.55 min Scan# 143

Delta R.T. -0.15 min

Lab File: VU029460.D

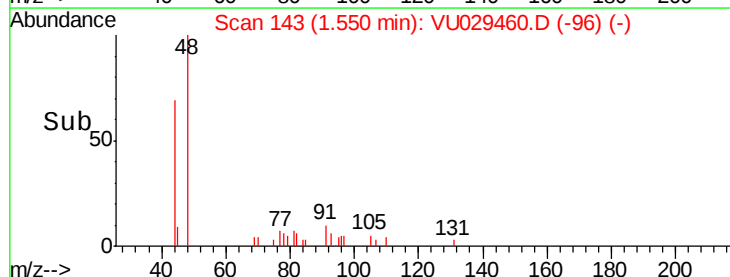
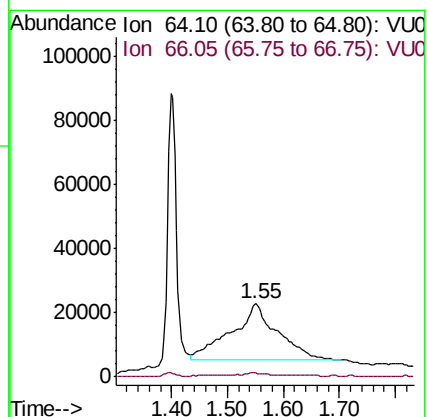
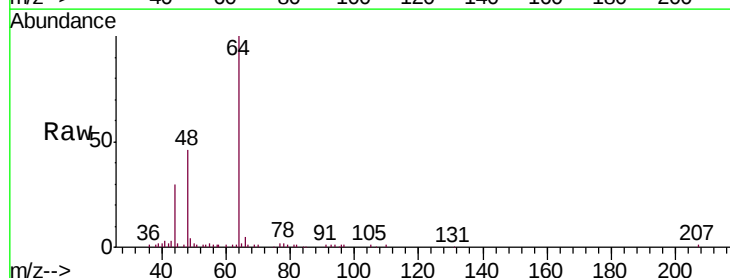
Acq: 14 Feb 2019 16:07

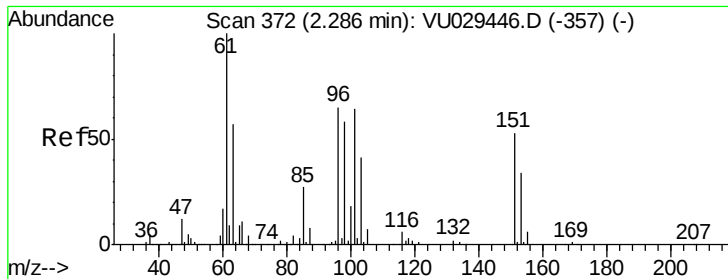
Tgt Ion: 64 Resp: 102665

Ion Ratio Lower Upper

64 100

66 5.2 22.0 40.8#





#10

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

Concen: 0.054 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.01 min

Lab File: VU029460.D

Acq: 14 Feb 2019 16:07

Instrument :

MSVOA_U

ClientSampled :

ESXA7

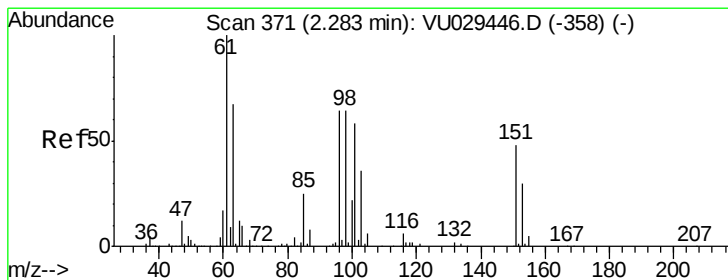
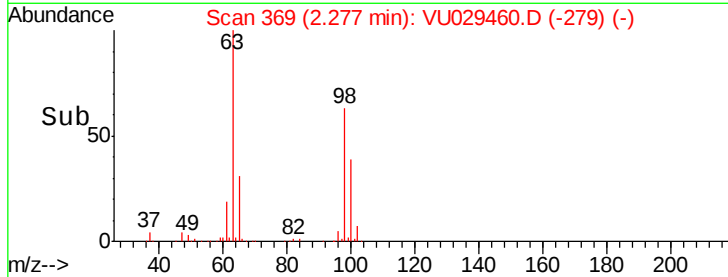
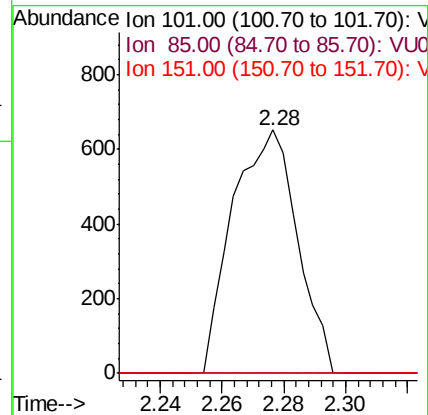
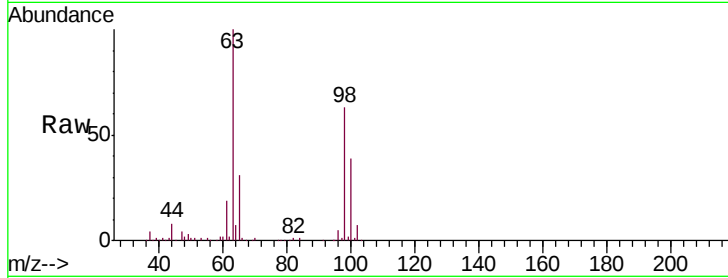
Tgt Ion: 101 Resp: 951

Ion Ratio Lower Upper

101 100

85 15.7 35.1 52.7#

151 0.0 67.0 100.6#



#12

1,1-Dichloroethene

Concen: 0.362 ug/L

RT: 2.29 min Scan# 372

Delta R.T. 0.00 min

Lab File: VU029460.D

Acq: 14 Feb 2019 16:07

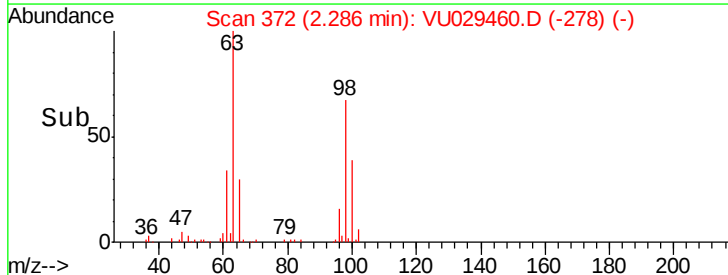
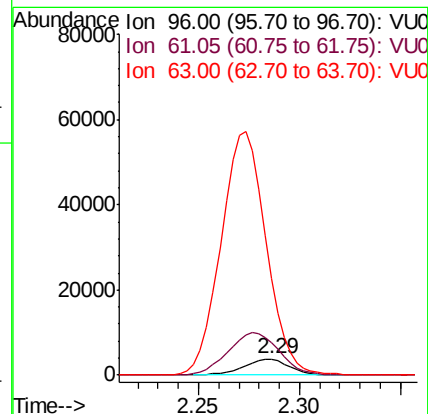
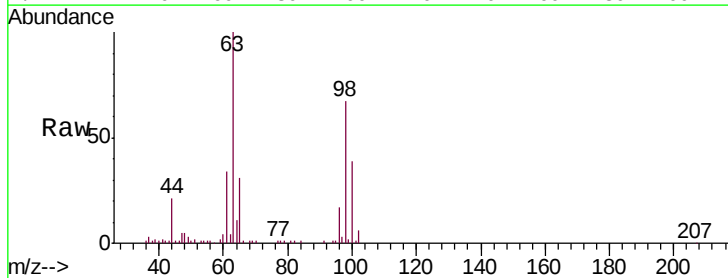
Tgt Ion: 96 Resp: 6050

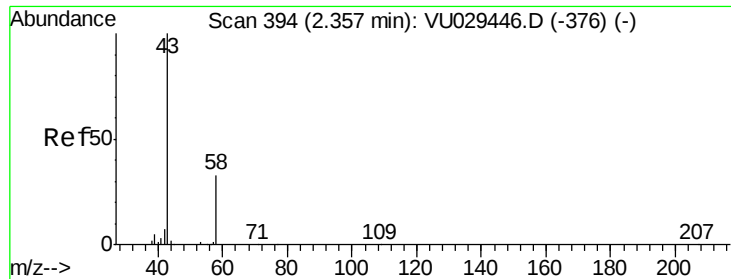
Ion Ratio Lower Upper

96 100

61 204.2 115.1 213.7

63 605.0 83.5 155.1#





#13

Acetone

Concen: 1.772 ug/L

RT: 2.32 min Scan# 384

Delta R.T. -0.03 min

Lab File: VU029460.D

Acq: 14 Feb 2019 16:07

Instrument :

MSVOA_U

ClientSampleId :

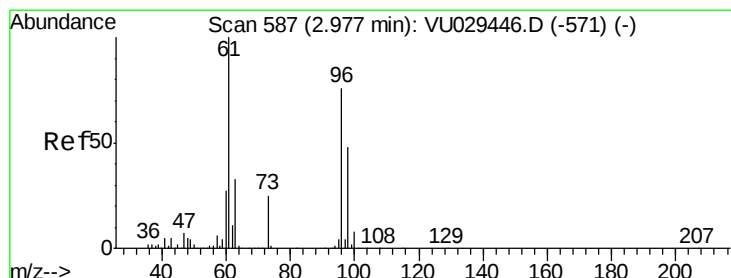
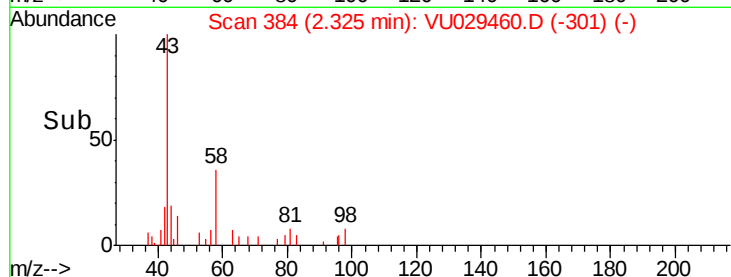
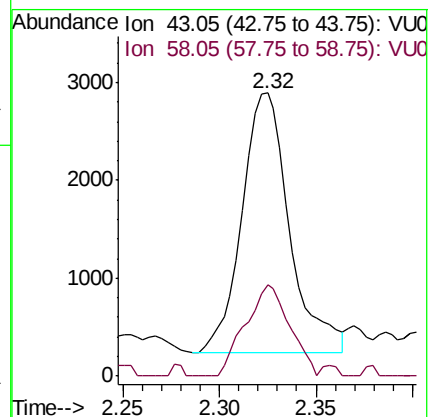
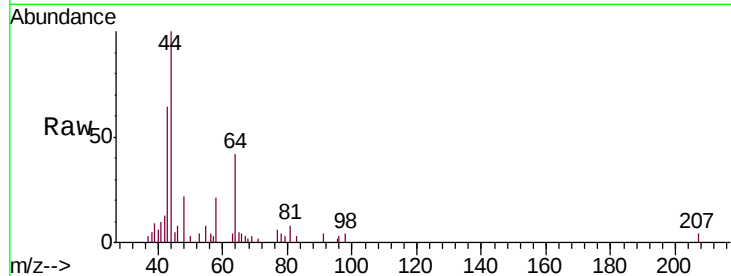
ESXA7

Tgt Ion: 43 Resp: 4560

Ion Ratio Lower Upper

43 100

58 32.5 0.0 65.0



#18

trans-1,2-Dichloroethene

Concen: 1.836 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU029460.D

Acq: 14 Feb 2019 16:07

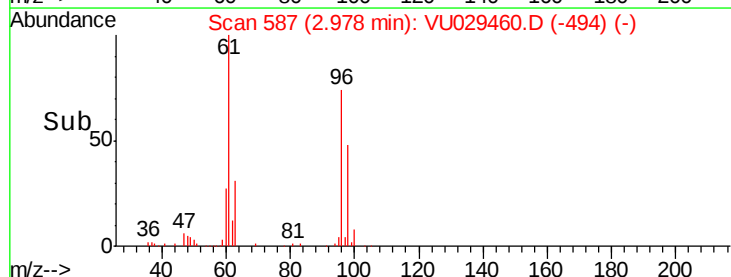
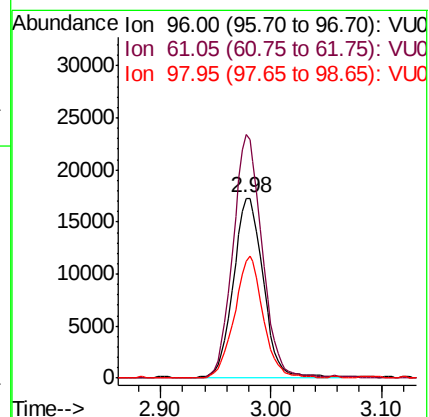
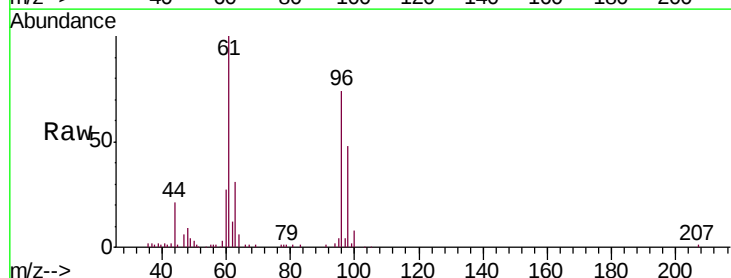
Tgt Ion: 96 Resp: 32682

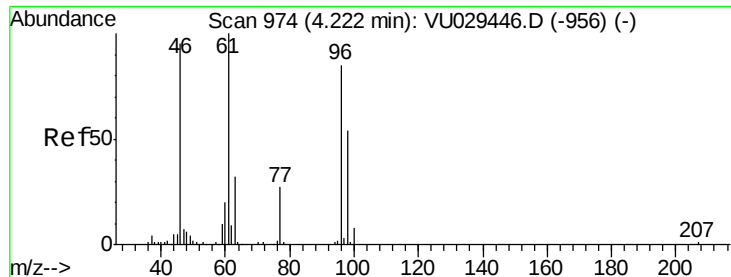
Ion Ratio Lower Upper

96 100

61 135.2 95.4 177.2

98 65.0 45.8 85.2



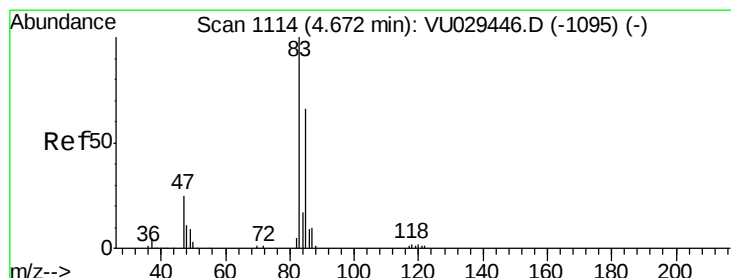
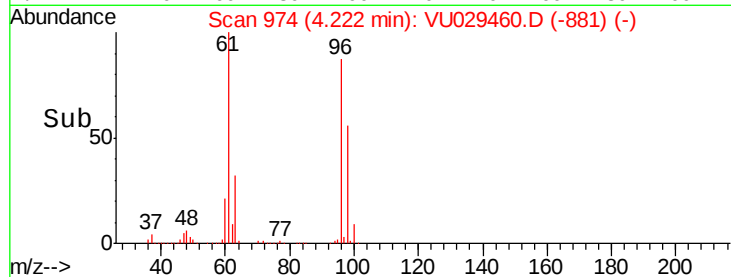
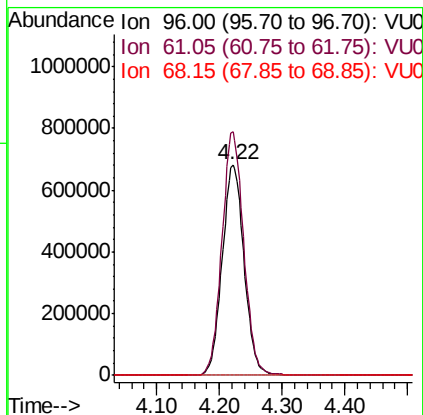
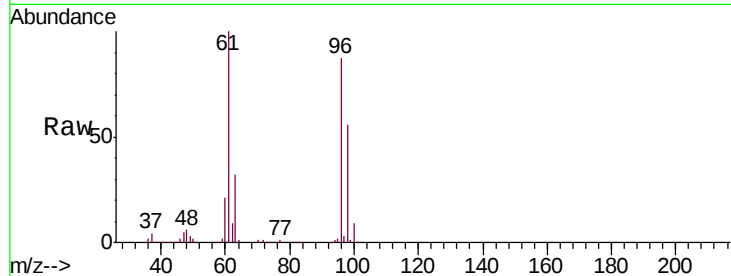


#22

cis-1,2-Dichloroethene
Concen: 100.644 ug/L
RT: 4.22 min Scan# 974
Delta R.T. 0.00 min
Lab File: VU029460.D
Acq: 14 Feb 2019 16:07

Instrument :
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ClientSampleId :
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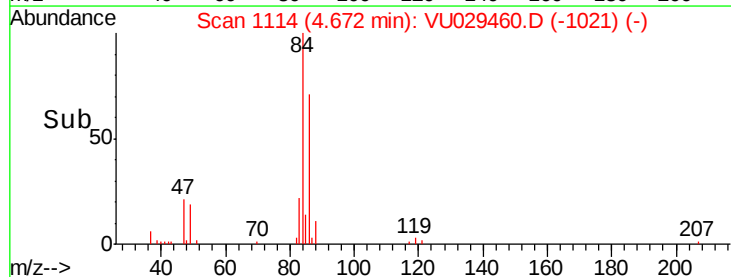
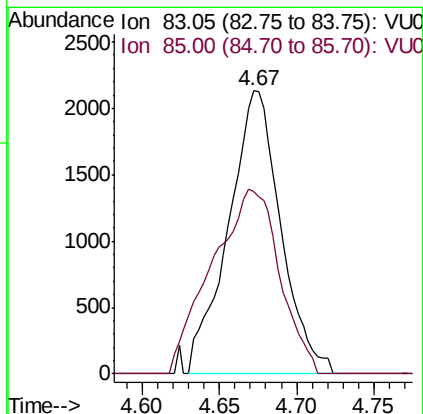
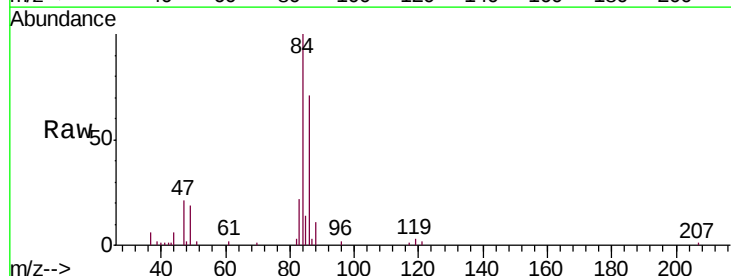
Tgt Ion: 96 Resp: 1647597
Ion Ratio Lower Upper
96 100
61 115.4 79.9 148.5
68 0.0 0.0 0.0

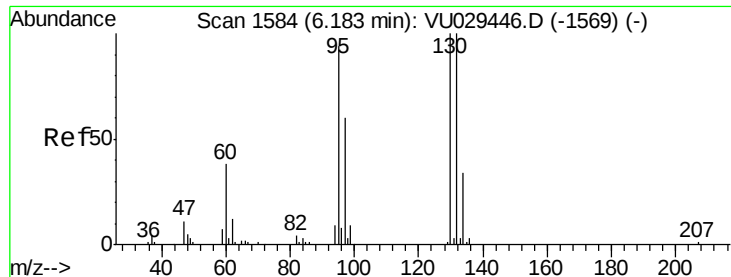


#25

Chloroform
Concen: 0.188 ug/L
RT: 4.67 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VU029460.D
Acq: 14 Feb 2019 16:07

Tgt Ion: 83 Resp: 5030
Ion Ratio Lower Upper
83 100
85 64.3 47.8 88.8





#34

Trichloroethene

Concen: 0.059 ug/L

RT: 6.19 min Scan# 1585

Delta R.T. 0.00 min

Lab File: VU029460.D

Acq: 14 Feb 2019 16:07

Instrument :

MSVOA_U

ClientSampleId :

ESXA7

Tgt Ion: 95 Resp: 929

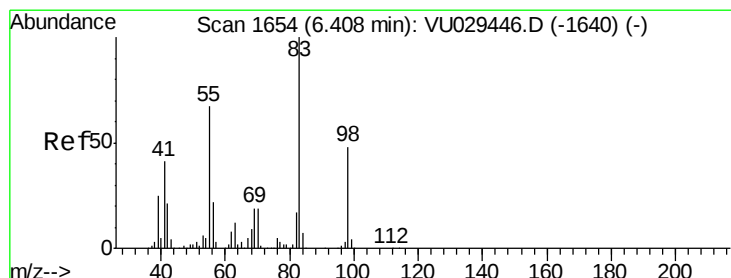
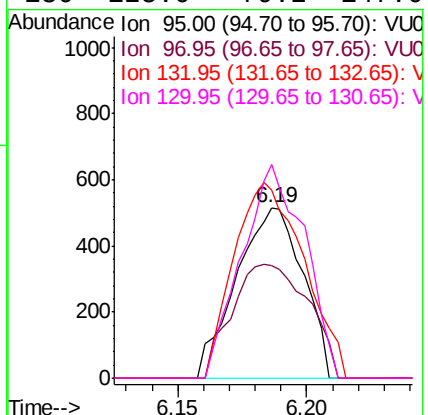
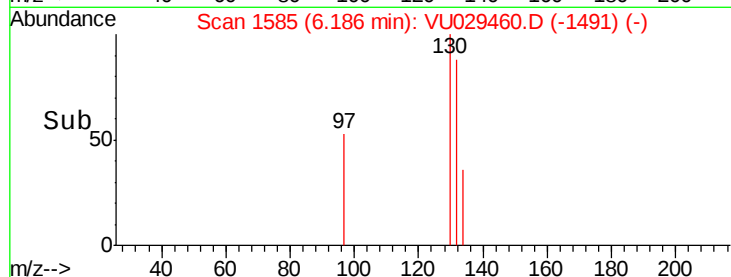
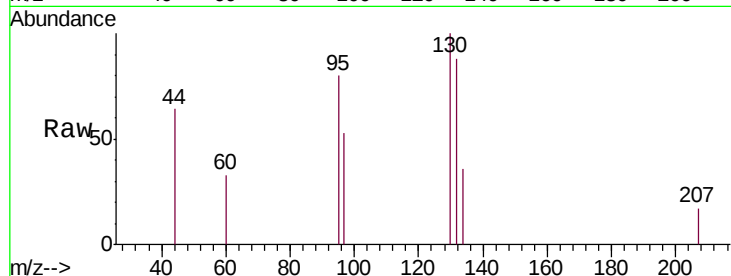
Ion Ratio Lower Upper

95 100

97 65.8 46.3 86.1

132 109.9 72.9 135.3

130 125.0 79.2 147.0



#35

Methylcyclohexane

Concen: 0.572 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.08 min

Lab File: VU029460.D

Acq: 14 Feb 2019 16:07

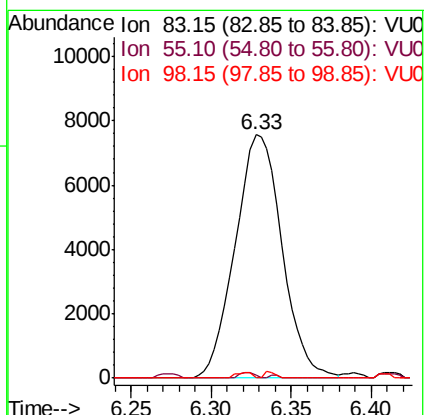
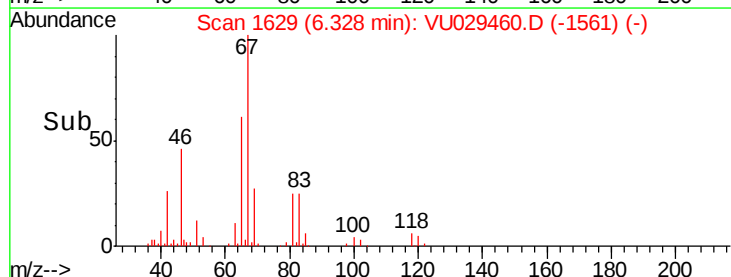
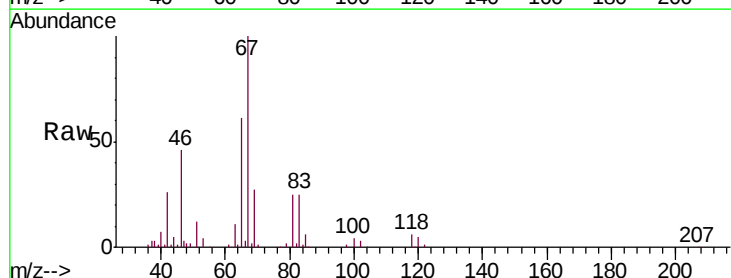
Tgt Ion: 83 Resp: 15139

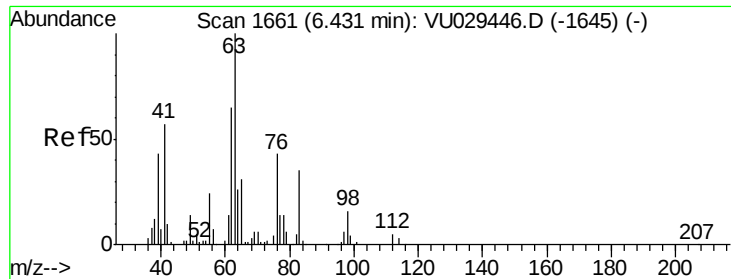
Ion Ratio Lower Upper

83 100

55 0.7 55.9 83.9#

98 0.8 38.6 57.8#





#37

1,2-Dichloropropane

Concen: 0.490 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.10 min

Lab File: VU029460.D

Acq: 14 Feb 2019 16:07

Instrument :

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ClientSampleId :

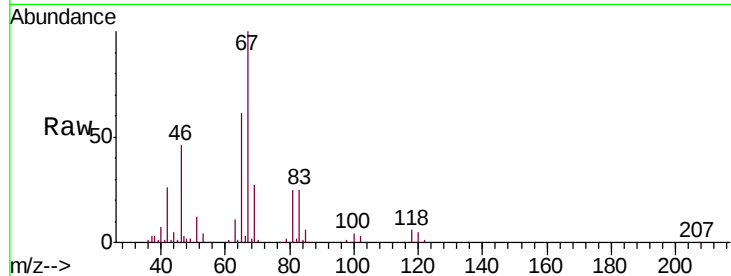
ESXA7

Tgt Ion: 63 Resp: 6879

Ion Ratio Lower Upper

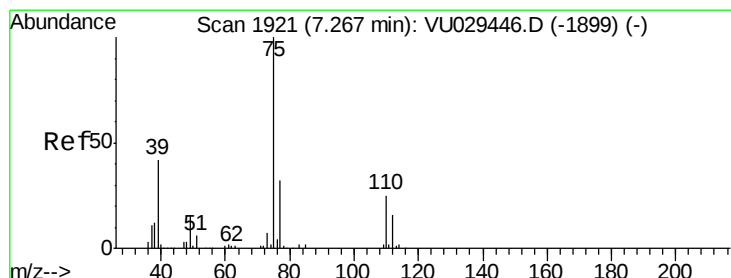
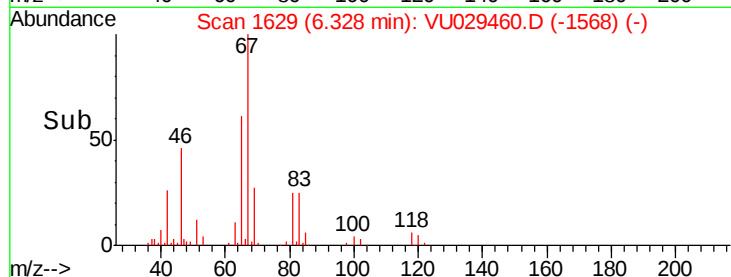
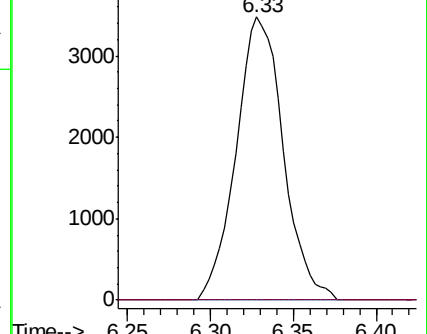
63 100

112 0.0 3.5 5.3#



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: 0.073 ug/L

RT: 7.23 min Scan# 1909

Delta R.T. -0.04 min

Lab File: VU029460.D

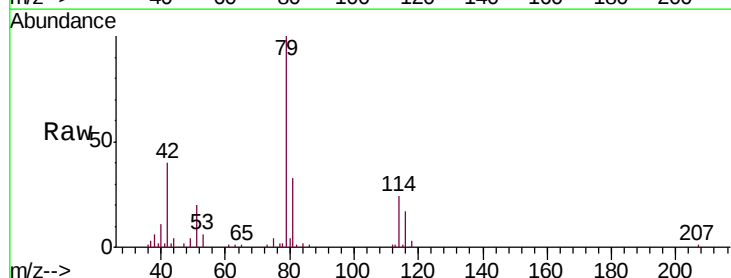
Acq: 14 Feb 2019 16:07

Tgt Ion: 75 Resp: 1606

Ion Ratio Lower Upper

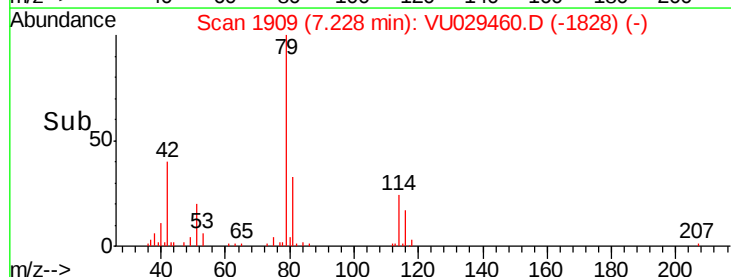
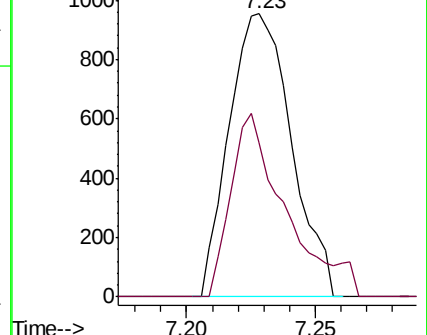
75 100

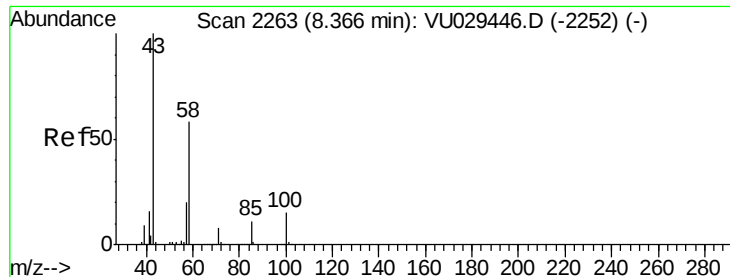
77 54.3 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

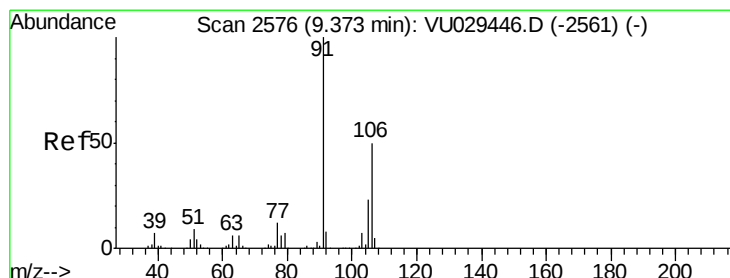
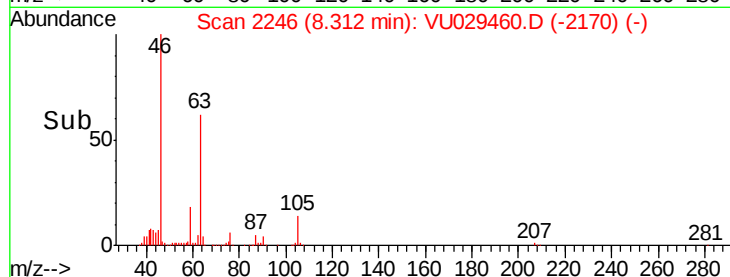
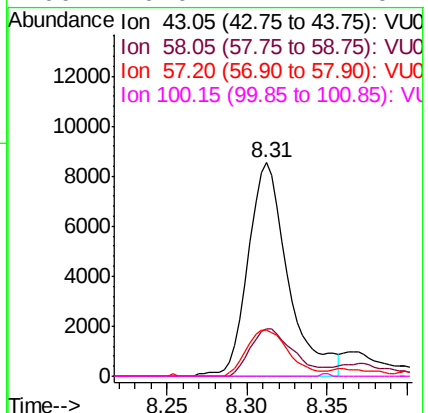
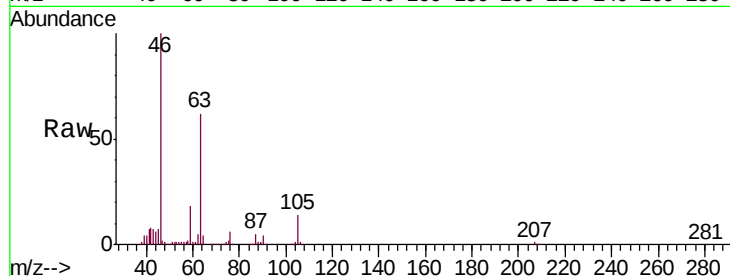




#48
2-Hexanone
Concen: 2.483 ug/L
RT: 8.31 min Scan# 2246
Delta R.T. -0.05 min
Lab File: VU029460.D
Acq: 14 Feb 2019 16:07

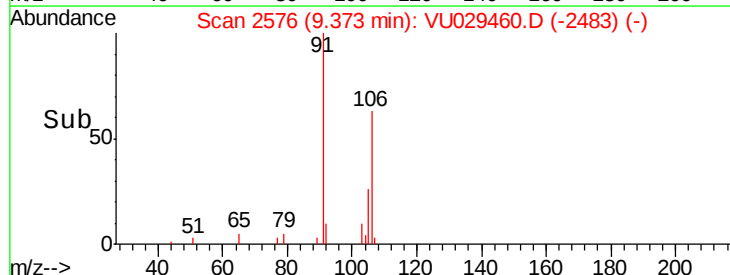
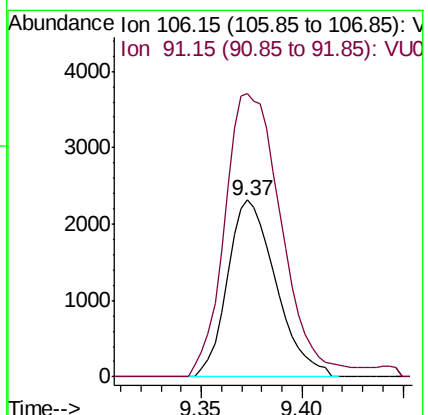
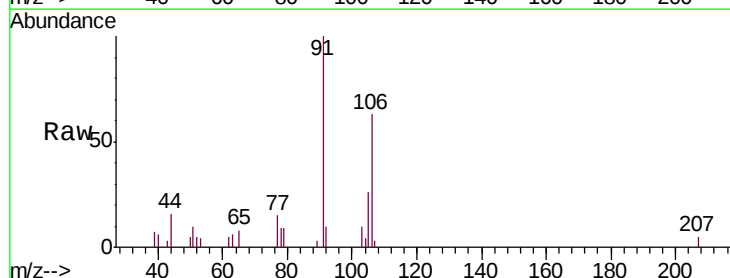
Instrument :
MSVOA_U
ClientSampleId :
ESXA7

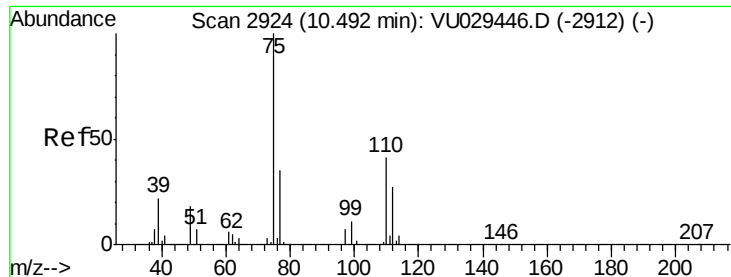
Tgt Ion: 43 Resp: 14632
Ion Ratio Lower Upper
43 100
58 24.4 45.7 68.5#
57 23.1 16.4 24.6
100 0.0 11.1 16.7#



#53
m,p-xylene
Concen: 0.137 ug/L
RT: 9.37 min Scan# 2576
Delta R.T. 0.00 min
Lab File: VU029460.D
Acq: 14 Feb 2019 16:07

Tgt Ion: 106 Resp: 3888
Ion Ratio Lower Upper
106 100
91 159.8 135.7 251.9





#59

1,2,3-Trichloropropane

Concen: 1.151 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU029460.D

Acq: 14 Feb 2019 16:07

Instrument :

MSVOA_U

ClientSampleId :

ESXA7

Tgt Ion: 75 Resp: 10356

Ion Ratio Lower Upper

75 100

77 34.8 28.2 42.2

